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THE CHEMIST AND DRUGGIST

TELEGRAPHIC
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CHEMISTS LONDON.

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E.C.

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Winter and Summer Issues 1s. each, Post Free.

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A LLEN & HANBURY'S Ltd. can supply Chemists with High-class Milled TOILET SOAPS of their own manufacture, at prices to compete with the cutting rates of Stores, &c., for the highly-advertised articles. At the same time a fair profit is obtained, and, by supplying a first-class article, every satisfaction is given to the purchaser.

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THE CHEMIST & DRUGGIST SUPPLEMENT.

SATURDAY, JULY 24 1897.

Businesses for Disposal
Businesses Wanted
Premises to Let
Auction Sales

ALSO EXCHANGE COLUMN.

For Bargains see last page of this Supplement.

Partnerships
Situations Vacant
Situations Wanted
Miscellaneous

A Copy of this Supplement is inserted in every number issued of "The Chemist and Druggist."

**DON'T
MISS
IT**

Our Summer Number will be published on the 31st Inst.

The Cover will be as handsome as any of its predecessors, but will be produced by a new Photographic process.

There will be Eleven Thousand Copies of It, and a supplement in Each one of them.

That is 11,000 chances for each Advertisement Inserted, without reckoning the extra Supplements given to those who want them.

If you need a Situation or an Assistant, to Buy or Sell a Business, or have anything to dispose of through the Exchange Column, send your Advertisement to us early in the week.

We go to press earlier, but will receive Supplement Advertisements up to Thursday, the 29th Inst.

42 Cannon Street, July 24, 1897.

CHEMISTS' TRANSFERS.

MESSRS. ORRIDGE & CO., 32 LUDGATE HILL, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

PURCHASERS have the advantage of Messrs. O. & Co.'s direct attention and advice as to value without additional fee.

PURCHASERS are invited to forward a statement of their requirements, which will be notified in a register free of charge.

VALUATIONS having always been a prominent feature, Messrs. O. & Co. trust that the lengthened period during which they have enjoyed the confidence of the profession will be regarded as a sufficient proof of the sincerity of their endeavours to conduct these transactions in an honourable and straightforward manner.

£950.—LONDON, W.—Good-class Dispensing and Retail Business, established many years; returns last year exceeded £950, *gross profit* about half; the shop is well fitted and stocked; good house, 21 years old; price £850.

£400.—LONDON (Death Vacancy).—Old-established Business in busy thoroughfare; returns present rate about £400, can be largely increased; good business premises and residence; held on lease at low rent; offer wanted; valuation will be accepted.

£1,200.—LONDON, N.W.—Dispensing and Retail Business; returns present rate £1,200 per annum; the shop is handsomely fitted and well stocked; modern house, held on lease; price about £875.

£600.—MILE END ROAD.—Retail and Prescribing Business; returns under manager £600, increasing; capital position for branch business; terms, goodwill £50, and valuation of stock and fixtures.

£1,000.—KENSINGTON.—First-class Dispensing and Retail Business; residential locality; returns average £1,000 yearly; very handsome shop and large stock; good residence, all in perfect repair; particulars will be furnished on application.

£300.—LONDON (Central) NUCLEUS.—Prescribing and Retail Business; present returns about £6 per week, all profitable work; the shop is situated opposite to a large institution; house contains 8 rooms; rent low; price stock and fixtures at valuation.

£650.—LONDON, N.W.—Dispensing and Retail Business, established many years; returns about £650, without the attention of the principal; *profit about one-third*; the shop is well stocked, excellent fittings, and good house; price about £550.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

TERMS FOR VALUATION ON APPLICATION. APPOINTMENTS BY POST OR WIRE HAVE IMMEDIATE ATTENTION.

Messrs. ORRIDGE & Co. invite communications from COLONIAL and FOREIGN firms where business of a confidential nature requires the special attention of a London Agent.

SPECIAL NOTICE.—Messrs. ORRIDGE & CO. have a large number of Businesses for Sale suitable for Gentlemen with Small Capital, from £200 to £500.

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VALUER,

37 Waterloo Street, LEICESTER.

References to Principal London and Provincial Wholesale Houses, also to numerous clients throughout the United Kingdom.

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NO CHARGE TO BUYERS.

£1,020 returns.—**WORCESTERSHIRE**.—Good General Country Retail with Stationery; net profit £230; good house and garden; price £550, about value of stock and fixtures.

£900 returns.—**BEDS**.—Light Country Retail, in pleasant market town; no Stores for 10 miles; excellent house and extensive garden; net profit about £300; price £750.

£940 returns.—**DEVON**.—Light Retail, Dispensing, and Photo goods, in favourite seaside resort; excellent opportunity for pushing man; price £550.

£1,100 returns.—**NOTTS**.—Light Retail, fair Dispensing, and good Specialties; in growing market town; price about £850.

£820 returns.—**BIRMINGHAM (Suburb)**.—Exceptionally profitable General, Mixed Retail; net profit over £300; yard, garden, and medium house; rent £20, on lease; vendor, having purchased a larger concern will sell for £500 at once.

£900 returns.—**CARDIFF**.—Light Cash Retail; in good district; net profit £250; price £600.

£900 returns.—**LONDON, N.**—Handsomey-fitted and commanding Pharmacy; yielding a net profit of £300 per annum; price £800, about value of stock and fixtures.

£700 returns.—**LONDON, W.**—Light Retail, Dispensing, and Prescribing; shop and house good, with small garden; returns increasing; premises on lease; price £600.

£600.—**LONDON**.—First-class West End Retail; returns 12 months ago were £1,000, decrease owing to illness of vendor; premises on long lease, and can be nearly cleared by letting part of premises; price £450.

£700 returns.—**UPTON PARK**.—Light ready-money Retail, with fair Dispensing; net profit £239; long lease; price £550.

£740 returns.—**CUMBERLAND**.—General Light Retail, in best position of busy town; price £500.

£550 returns.—**YORKS**.—Retail and Prescribing, in medium-sized town; managed by unqualified man, with personal attention would greatly increase; price £350.

VALUATIONS.

F. J. BRETT has been well known for many years throughout England and Wales as a reliable Valuer, and his extensive experience in all branches of the trade renders his services equally valuable to Vendors and Buyers.

BERDOE & CO.

CHEMISTS' TRANSFER AGENTS AND VALUERS,

35 JEWRY STREET, FENCHURCH STREET, E.C.

Established 1870.

1.—**LANCASHIRE**.—Same bands 22 years; Retail, Dispensing, and Prescribing Business; returns over £1,000, profits half; large shop, well fitted and heavily stocked; owner retiring; price £800.

2.—**HAMPSHIRE**.—Important town; Retail and Dispensing Business; returns £1,000, profits half; stock and fixtures worth £800; good house, double-fronted shop, best position; price £900.

3.—**NORFOLK**.—Good market town; Retail, Dispensing, and Prescribing trade; returns £1,200 under management; excellent position; large house and premises; principal could do £2,000; price £850.

4.—**SOUTH DEVON**.—Light Retail and Dispensing trade; returns nearly £1,000; same bands 18 years; handsome double-fronted shop, commanding position; price £550; stock and fixtures worth £450.

5.—**WARWICKSHIRE**.—First-class suburb of large town; Retail and Dispensing Business; returns £400, capable of increase; well fitted and stocked shop; good house; price £250.

6.—**OXFORDSHIRE**.—Branch Business, Retail and Prescribing trade, good class; returns £400 under manager; good house and garden; not much opposition; price £210, or offer.

7.—**SOUTH MIDLANDS**.—Retail and Prescribing; returns £500; same bands many years; retiring through old age; low rent; good house; price £150, or valuation; £100 cash, balance by instalments.

8.—**ESSEX**.—Main line of rail, 15 miles from London; unopposed; population 4,000; Retail and Prescribing trade; returns £500 under management; rent under £20; price £360.

9.—**LONDON, S.W.**—Light Retail and Dispensing Business; returns £1,270; 3,000 prescriptions yearly; handsome double-fronted corner shop, well fitted and stocked; price £950.

10.—**CITY OF LONDON**.—First-class Retail, Dispensing, and Prescribing; returns £1,500; net profit £550; scope for increase; low rent; price £1,500; £500 could remain if required.

Particulars of any of the above and others free on application.

VALUATIONS.

VALUATIONS receive our direct personal attention, and are carried out from start to finish by one of the principals. Our terms will be sent on application.

NO CHARGE TO PURCHASERS.

35 JEWRY ST., FENCHURCH ST., CITY.

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Chemists' Valuers, Transfer Agents, & Accountants,
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VALUATIONS made for Probate or Transfer by a fully qualified member of the firm. Books Audited, Balance Sheets Prepared, and Chartered Accountants' Certificate given. Terms (moderate) on application.

MIDLANDS.—Good-class Light Retail, Prescribing, and Dispensing Business; returns £640; rent £50; price £403. We strongly recommend this as a good investment.

STAFFORDSHIRE.—General Retail, Prescribing, and Dispensing Business, in busy manufacturing town; returns £761; rent £36; price £1,000.

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MIDDLESEX.—Good Retail and Dispensing trade, doing about £1,000 yearly; price £750; good house and handsome pharmacy.

Full particulars of any of the above sent free on application.
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CHEMISTS' VALUERS AND TRANSFER AGENTS,
25 YEARS' PRACTICAL EXPERIENCE.

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2.—**YORKSHIRE**.—Good Retail with valuable Agency; returns £1,000, showing a substantial net profit; nice house, garden, &c.; price £700.

3.—**LONDON, S.W.**—Retail, Dispensing, and Prescribing; large mahogany fittings; house 8 rooms, private entrance; returns £500; price £200.

4.—**BARGAIN NEAR CITY**.—Price £100, or valuation; good house; price £200.

5.—**DURHAM**.—Returns £1,200; price £800.

Particulars on application.

56 CHEAPSIDE, LONDON, E.C.

(Next Door to Bow Church.)

THOMAS TOMLINSON & SON

M.P.S.,

Chemists' Transfer Agents and Valuers,

9 NEW CANNON STREET, MANCHESTER
44 YEARS' EXPERIENCE.

Valuations Conducted with careful attention to details.

BUSINESS WANTED.—Thomas Tomlinson & Son, having on hand an extensive list of gentlemen who have entrusted them with commissions to look up a good genuine Business, intending sellers can upon being at once with all despatch put into communication with the able buyers without publicity and the annoyance of answering "curious" applications. **No charge made unless Sale is effected.**

BUSINESSES FOR DISPOSAL of various classes and amounts, returns ranging from £200 to £4,000. Particulars given to bona fide applicants stating outline of requirements.

Have constant inquiries for REGISTERED ASSISTANTS. Applicants introduced free.

NO CHARGE TO PURCHASERS.

Telegraphic Address—"TOMTOM."

BUSINESSES FOR DISPOSAL

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

See Notice on front page for next week's issue.

BOLTON.—On sale, old-established Business, Wholesale and Retail, bargain to a pushing man. Particulars, with stamp reply, Bridgman Place, Bolton.

BRISTOL.—For Disposal, a genuine Cash Retail, Prescribing, and Dispensing Business in thickly-populated and growing district; sacrifice to cash purchaser; full investigation allowed. Full particulars "Cash" (19731), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

BRISTOL.—For Disposal, genuine Dispensing and Prescribing Business in populous suburb; good paying Proprietaries; profits over a few Patents sold; could be largely increased by up-to-date man; convenient house, rent £50; satisfactory reasons for disposal; price cash, or part purchase-money might remain. "Neura" (19211), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LESTER DISTRICT.—Chemist buying larger business, will sell present one; bargain to prompt cash purchaser; good Drug sales, Proprietaries, few Patents, Prescribing, Extracting, and nucleus of Dental practice; easily worked, light expenses, ready cash, well set; large district, lovely country; large house, good order; if you business where you can be certain of good income and save money, references for particulars to Evans, Sons & Co., Liverpool; returns £450.

CORNWALL.—£1,000.—In one of the best business towns in Cornwall; established 70 years; large Consulting and Prescribing Business, with Dentistry; good Retail; well stocked; capital and shop, long lease; full working order; valuable proprietary; fortune for good business man; no agents; £500 down, £500 in at 34 per cent. Sampson Taylor Rowe, Surgeon Dentist and Dr. Redrub, Cornwall.

GREAT GRIMSBY.—Old-established ready-money Business, in main thoroughfare; principally Dispensing; returns about £600; rent price £250; immediate possession of business. Apply, Mrs. E. Ham, 76 Victoria Street, Great Grimsby.

LENT.—For Immediate Disposal, good Retail and Prescribing Business in Kent; returns £8 to £12 a week. Apply, 198 39, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

NCS.—Small town; genuine Light Retail; present returns £650 (gross profits three-tenths); rent and rates £33; no house; owner's Retail; Extractor and good Prescriber could add such business; full investigation allowed bona-fide purchaser; cash price £250, nation. "Lancs" (193 3), Office of THE CHEMIST AND DRUGGIST, Cannon Street, E.C.

LEDS (near).—Chemist's Business for Sale in a manufacturing village near Leeds, owing to death of proprietor; returns last five years over £300 yearly; rent of house and shop £30; valuation of stock £250. Apply, B. Hirst, Brooke & Hirst (Limited), Leeds.

WANELLY.—Splendid chance energetic Welshman; Welsh not absolutely necessary; owing ill-health and taking dental practice, Jones proposes selling his genuine good-class Mixed Business; price £1,000; open offers; only buyers who will afterwards carry on the business dealt with; 10 years' lease to run, probable renewal; most commodious premises, foremost position; personal attention easily doubled; fair Dispensing, Prescribing, Veterinary, Agricultural, Drug, Sundries, Photographic, Tower Tea, Seeds, Patcuts, Proprietary; lock-up shop attached pays third rent.

WYDON, S.W.—£55.—Small Drug Store, in busy main thoroughfare of S.W. district; opening for Prescriber and Extractor. Near London Road, Battersea, where inquiry should be made.

WYDON, N.W.—A Light Retail, Prescribing, and Dispensing Business, in an increasing neighbourhood; opened 10 months; well-fitted of good house, with private entrance; returns £6 to £7 a week under qualified Junior; could be greatly increased by principal; rent £45; let 3; lease if wished; price £180; a bargain; must sell, having other business. Apply, "Crocus," c/o W. Layman, 50 Southwark Street, S.E.

WYDON, S.W.—Good-class Business for immediate Disposal; well fitted and stocked; large and good house, with private entrance, adapted for letting; stable at rear; genuine reasons for selling. Particulars to bona-fide purchasers only, X. Y. Z. (199/3), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANCHESTER.—A small Business in Rochdale Road; Retail and Prescribing; good opening for Dental work, Extractor, &c.; rental easy. Apply, Breadner, Obemist, Obecetham.

MANCHESTER.—A Business established 40 years, never changed hands, will be sold for any reasonable offer. 197/40, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WOLANDS.—Corner shop, near large works, nearest opposition over half-mile away, General Light Retail and Prescribing; rent £30; opening for Oil and Colour or Dentistry; returns over £600 (increasing), as may be seen; price £400; no agents; bona-fide buyers have queries answered fully. "Stet" (197/18), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WOLDBURY (Birmingham).—Our Retail Business for disposal; established 40 years; fixtures and goodwill £100; stock about £100. Parish & Son, Wholesale and Retail Druggists, Oldbury.

SOUTH COAST.—Light Retail and Dispensing, with Photographic apparatus; good position in leading thoroughfare of fashionable resort; double-fronted shop, well fitted and stocked; returns about £100; price £600, or offer. "Marina" (192/12), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SOUTH COAST.—Genuine and increasing Business for Disposal, situated in a busy thoroughfare, main street and populous neighborhood; nicely-fitted shop, with good house and back entrance; rent price £500. For particulars, apply "Rex" (197/30), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WALSINGHAM.—Through severe illness, a Light Retail and Prescribing trade, to which Dentistry might be added with advantage; central position of main street; offers scope for development; terms of sale, probably about £600. Apply by letter, to J. Hey, Chemist, Walsingham, co. Durham.

WORCESTERSHIRE.—Light Retail and Prescribing Business; returns average about £20 weekly at good prices; rent £30 on lease; nice house and garden; owner not being qualified is leaving the trade; price £525, stock and fixtures worth nearly £500; good opportunity for qualified man. "Thrax" (199/4), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

YORK.—For Sale, in York, a Chemist's General Retail Business; large corner shop in a good thoroughfare; full investigation allowed; good reasons for disposal; favourable opportunity if personal attendance can be given. 104 Bishopthorpe Road, York.

YORKSHIRE (Inland Health Resort).—A good-class Retail and Dispensing Business; excellent position; rent £40; convenient house; satisfactory reasons for selling; valuation of stock and fixtures only required, about £450. "Radix" (196 14), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

A GENUINE Retail Cash Business, situated in Stoke-upon-Trent; main thoroughfare; good living accommodation; long lease; low rent; price £450; full particulars to bona-fide buyers. "Drags" (196 39), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

A THOROUGHLY genuine Light Retail, Dispensing, and Prescribing Business, situated in the principal street of an important town in the Midlands; most convenient house, part of which could readily be let off, private entrance; excellent premises; an opportunity seldom met with. Apply, "Pharmacist" (197/29), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

CHEMIST'S Business.—A great bargain to an immediate cash customer; will sell at valuation of stock and fixtures, or reasonable offer; should be seen; nice fittings and stock; main thoroughfare; business under management much neglected; rent £45, 13 years to run; 12s. 6d. weekly let off; open Surgery or Dentistry could be combined. 159 6, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

FOR Disposal, Branch Business in principal street north-east coast town. Apply "West," Messrs. John Ismay & Sons, Newcastle-on-Tyne.

GENUINE unopposed Country Business for Sale, in large village; Prescribing, Agricultural trade, Wines and Spirits; nearest Chemist 8 miles; returns £650; average net profits last three years £162; rent £20 per annum; shop well fitted and stocked; good house and large garden; price £250. Apply, D., 23 Tavistock Road, Plymouth.

LIGHT Retail, Dispensing, and Prescribing Business for disposal in an increasing and respectable locality, near London, rent low, with Post Office (no Telegraph); also Village Business, with Stationery and News Agent; another Village Business, with Grocery attached; no opposition. Particulars from "Veritas" (196 23), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SMALL Retail and Prescribing Chemist's Business in London for disposal; established 17 years; fixtures, &c., belong to landlord, and are included in the rent, £33 on lease; good 6-roomed house; small sum only required for stock, &c.; good prices; stamped envelope for particulars. "Retail" (199 23), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SPLENDID opening for qualified man; 10,000 population; rental £16 16s.; no rates; returns about £380; price £280. 3 High Town Road, Luton, Beds.

BUSINESSES WANTED.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

* See Notice on front page for next week's issue.

ADVERTISER will shortly be requiring a genuine Business in Devon or Cornwall, returning from £800 to £1,000 a year. Send full particulars to "Thymol" (194 16), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED a thoroughly established good-class Retail and Dispensing Business, showing a net profit of about £400; must bear the most rigid investigation. Send full particulars in detail to "Cinebona" (198 2), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, a small but good-class Dispensing Business, in suburb of large town, or in country town or health resort, where advertiser could pay down moderate sum in cash and the remainder by instalments; no agents. Address, "Alpha" (195 32), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, a Light Retail, Dispensing, and Prescribing Business, returning £800 to £1,200; advertiser (can pay cash) requires a business making at least £250 net profit, in either suburbs of London or county town. J. R. G., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TO LET.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

See Notice on front page for next week's issue.

HANLEY.—Shop to Let, plate glass window 11 ft. 6 in., for September quarter-day; rent and rates very low; most central position in town; two very large drapery establishments in street; no Chemists near; house with eight rooms and large store-room; side entrance to house. 2) Lamb Street, Hanley, Staffs.

IMPORTANT NOTICE TO LARGE TRADERS.

13 HANDSOME SHOPS, near completion.
in the main

HOLLOWAY ROAD, London, N.

(Opposite Railway Station

on the Great Northern Railway Line.)

Population, two mile radius, 875,276.

One of the finest positions in the whole of London.

J. SAINSBURY,

Purveyor of High-class PROVISIONS, POULTRY, and GAME,
will OPEN the CENTRE PREMISES.

Branches, London and Suburbs.

For full particulars and photo of elevation

Apply to L. F. Evamy, 15a Bennett Street, Blackfriars, S.E.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

See Notice on front page for next week's issue.

RETAIL.

ALTRINCHAM.—Junior Assistant; outdoors. State age, references, and salary required to E. Hughes, Chemist, Altrincham, Cheshire.

BARROW-IN-FURNESS.—Qualified Assistant (outdoors) for Light Retail; no Sunday duty and weekly half-holiday. Apply, stating salary and usual particulars, to Exors., J. S. Ormaudy, Anson Street, Barrow-in-Furness.

BEXHILL-ON-SEA.—Wanted, a Junior Assistant for good-class business. State age, salary required, and references, Adams, Chemist, Bexhill-on-Sea.

BIRKENHEAD.—Wanted, good Junior for Dispensing business; indoors. Apply, A. H. Ellithorne, 8 York Place, Ball's Road, Birkenhead.

BIRKENHEAD.—Smart, qualified, gentlemanly Assistant, about 23; Store trade; bedroom and sitting-room found, but not food; progressive salary. Send full particulars, salary, and photo, to Breeze, Chemist, 70 Oxtan Road, Birkenhead.

BRISTOL.—Junior for good-class Dispensing business. State age, height, particulars of experience, salary required, and enclose carte (to be returned), W. W. Jones & Co., Kingsdown, Bristol.

CAMBRIDGE.—Junior Assistant required (indoors), for Light Retail and Dispensing, immediately. Apply, stating full particulars, to C. S. Addison, Chemist, Cambridge.

CAPE TOWN.—Qualified Assistant wanted; about 25 years of age; must be of good appearance; quick and accurate dispenser; salary £120, £140, and £160; three years' agreement to be signed; room supplied but not board; second-class passage paid. Apply, stating particulars of experience, to T. L., c/o John Murdoch & Co., 52 Leadenhall Street, E.C.

CARDIFF.—Temporary; two smart Assistants wanted (one qualified preferred), accustomed to quick Cash business; fortnight from August 3; must be well recommended. Send full particulars and salary required (outdoors), Duck's Drug Stores, Cardiff.

CARDIFF.—Wanted, a smart Junior Assistant of good address; send photo, returnable. Anthony & Co., Chemists, Cardiff.

CHELTENHAM.—Wanted, qualified manager for Widow's Business; indoors; must be good Counterman, and well up in Dispensing. Apply, stating age, height, and salary required to Purnell, Chemist, Cheltenham.

CONGLETON.—Junior or Improver. State age, height, salary, references, and usual particulars with photo (to be returned), Brown, Chemist, Congleton.

COVENTRY.—Wanted, at once, a qualified Assistant, about 23; must be a good Dispenser and Counterman. Send full particulars, state salary (indoors), and enclose photo, A. A. Bones, Broad Gate, Coventry.

DECCAN (India).—Qualified or unqualified Assistant wanted; aged not over 30; thoroughly steady; 4 years' agreement. Apply, with full particulars, to X., S. Maw, Son & Thompson, 7 to 12 Aldersgate Street, E.C.

DUBLIN.—Hamilton, Long & Co., State Apothecaries and Chemists to the Queen, 3 Lower Sackville Street, Dublin, have a vacancy for Senior Assistant under 30 years of age for the Family and Retail Counter. Apply with carte, stating age, height, references, and salary expected (indoors) to Dr. Hamilton, 3 Lower Sackville Street, Dublin.

EASTERN COUNTIES.—Wanted, qualified Assistant to manage business in small town in Eastern Counties. Apply, stating salary, and full particulars, to W., c/o Grimwade, Ridley & Co., Ipswich.

EDINBURGH.—J. O. Pottage, 117 Princes Street, Edinburgh, is in want of an active Junior Assistant; outdoors; state salary, height, and age, also send photograph (returnable) with references.

EXETER.—Junior Assistant, about 21; must write a good hand and be able to dispense well; pharmacy school in City. Enclose photo and particulars, to Broom & Reid, Chemists, Exeter.

HADFIELD.—Assistant wanted, aged 18 to 22, for brisk country business. Apply, with full particulars, to Richardson, Chemist Hadfield, near Manchester.

INDIA.—Assistant Chemist wanted for India, of good experience; good opening for steady man; first class reference indispensable. Apply J. T. Craig & Co., East India Merchants, 17 Coleman Street, E.C.

IPSWICH.—Temporary Assistant (Junior or otherwise) wanted at once for a few weeks; references, &c. Cornell & Cornell, 14 Taver Street, Ipswich.

JARROW-ON-TYNE.—Qualified Assistant, to help principally at Branch; abstainer preferred; hours 9 A.M. till 9 P.M., with 2 hours for dinner; alternate Sunday evening duty and weekly half holiday from 1 o'clock. State salary required, usual particulars, and send photo (to be returned), Rose, Jarrow.

KING'S LYNN.—A qualified Assistant (at once); outdoors; hours of business short; one accustomed to a good-class family and country business preferred. Apply, with particulars of salary required, age, and reference, &c., to Neale, c/o Allen & Neale, King's Lynn.

LANCASHIRE.—Health-resort; for about 6 weeks, smart Junior, accustomed to Drug Store trade preferred. Apply, stating references, 192/23, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LIVERPOOL.—By August 8, smart, steady, qualified man as Senior; not under 24; must be quick and accurate Dispenser, and have good general knowledge of the business; indoors. For full particulars apply, with references, and enclosing photo (to be returned), to Manager, Apothecaries' Hall, Liverpool.

LIVERPOOL WORKHOUSE DISPENSARY.—Wanted, Assistant Dispenser; aged about 23; Minor qualification; salary £50; private apartments, rations, washing, &c.; hours 9 to 6 P.M., two days a week 9 to 8 P.M., Sunday duty every third; half-day off alternate weeks. Applications, with testimonials, to be sent forthwith to H. J. Hauger, Vestry Clerk, Parish Offices, Liverpool.

LONDON.—Assistant, for front Counter, wanted at once; must have had good experience and be a first-class salesman. Also a vacancy for a youth in the Country-order department; would suit one with experience in a patent medicine and sundries warehouse. Apply personally, or, if by letter, give full particulars to Bishop's Pure Drug Co., 46) Holloway Road, N.

LONDON, W.—A gentlemanly, qualified Senior wanted; also a Junior; accustomed to first-class Dispensing. Apply, with particulars, to Mr. Lewis, Chemist, Ealing, W.

LONDON, W.—Improver wanted as fourth Assistant; also Junior, with London experience, for Branch. Apply, personally, between 10.30 and 6, F. W. Warren & Co., 340 Harrow Road, W. (near Royal Oak Station).

LONDON, N.E.—Junior, also Improver; good class Cash Store; close on Thursdays, entirely on Sundays; good references indispensable. State terms, and enclose photo, if possible (to be returned), to J. Edmunds, Chemist, 33 High Street, Kingsland, N.E.

LONDON, S.E.—Wanted, by August 4th, a neat Dispenser, with good Counter experience. State age, experience, and salary required (indoors), to H. S. Foster, Chemist, Honor Oak, S.E.

LONDON TEMPERANCE HOSPITAL. Hampstead Road, N.W.—Wanted, Locum for July 26, for two or three weeks; qualified, and good testimonials necessary. Apply to the Dispenser.

LONDON.—Dispenser wanted; salary £55; hours of attendance 12 to 4 P.M. daily (Sundays and Bank holidays excepted); must possess the Major or Minor qualification; duties begin on October 2 next. Applications, with testimonials, to be sent before August 14 to W. H. Pratt, Secretary, the Finsbury Dispensary, Brewer Street, Goswell Road, E.C.

LONDON (near).—Wanted, a smart Junior Assistant, with some knowledge of Photographic work. Apply in first instance by letter, stating salary required, &c., to B. B., c/o Messrs. Balss Bros., Jewry Street, London.

LONDON, W.C.—Assistant (accurate Dispenser) wanted; 9 till 9; outdoors; dinner and tea. Send photo and state salary required, height, age, experience, &c., Nurthen, 390 Strand.

RETAIL—continued.

LONDON, E.—Wanted, next October, qualified Christian Dispenser for Medical Mission, East London; part-time; required to teach some Dispensing. Apply, by letter, stating qualifications and giving references, to Dr. Harford-Battersby, 33 Hamfrith Road, Stratford, E.

LONDON, N.W.—Wanted, qualified Assistant; about 24; indoors; comfortable home; Sunday duty one evening per month only. Apply by letter, stating particulars, or personally, to J. A., 323 Kentish Town Road, London, N.W.

LONDON, S.W.—Capable Assistant; qualified preferred, not essential; good references; half-day off each week; indoors; personal application. G. D. Cooper, 133 High Road, Balham, London, S.W.

LONDON, S.W.—Wanted, August 3, a trustworthy indoor Minor or Junior Assistant; one who has been accustomed to a good-class Retail and Dispensing business; must be well recommended. Apply or address, with full particulars, age, height, salary, reference, and photo (to be returned), to "Phenacetin," 317 Fulham Road, South Kensington, London.

LONDON, N.W.—Junior; abstainer; indoors; about August 4; about 19 years of age; hours 8 till 10, and alternate Sunday evenings; at liberty Thursday afternoon and evening. Apply personally, or enclosing carte, stating height and references, salary, &c., to Mr. Taplin, 91 Hampstead Road, London, N.W. Only one kept.

LONDON, S.E.—At once, Junior or Improver, for cash trade; reasonable hours; outdoors. Apply, Blackie, 43 Parker's Row, Bermondsey, S.E.

LONDON, S.E.—To Students preparing for Exam.—Part-time Assistant required, accustomed to good-class Retail and Dispensing business. Cullen & Co., 2 The Pavement, South Norwood, S.E.

LONDON (Suburban).—Two smart Juniors required at once; must be accustomed to quick Counter trade; no Sunday work, half-holiday weekly; live out. Send photo, or apply personally on Monday, 11 to 1, K., c/o Messrs. Lynch & Co., Aldersgate Street, E.C.

LONDON, S.W.—Wanted, immediately, a young man for about 2 hours in afternoon, and about 1½ hours in evening, to Dispense for a Surgeon. Apply, Mr. Dyer, Chemist, 6 Aere Lane, Brixton.

LONDON.—Capable, experienced, qualified Manager, for brisk Cash business; permanency; outdoors; 3 kept; suitable man will be liberally treated regarding salary and hours of duty. Apply, giving full particulars with references, to "Kurnos," Chemists' Club, Farringdon Avenue, E.C.; applications not replied to in 3 days respectfully declined.

LONDON, S.E.—Wanted, a steady, trustworthy Assistant, of good address; about 22; indoors; good Counterman; one able to extract teeth preferred; salary and commission. Apply, stating age, height, experience, salary required, and references, to J. D. Pidgeon, Ph. Ch., 6 Lewis-ham High Road, New Cross.

LONDON, N.W.—Junior Assistant, for August 2, indoors; one with a knowledge of Post Office work and Photography preferred, for a good-class suburban business; must be a good Counterman and obliging. Apply, H. E. Carne, 165 Brecknock Road, London, N.W.

LONDON, W.—Qualified Assistant wanted; aged 23 or 24; good Counterman. Apply, Mellin, 48 Regent Street, W.

MANCHESTER.—The Exors. of the late G. Botham, Medical Hall, Levenshulme, Manchester, have a vacancy for a qualified Assistant; abstainer preferred. Apply, with testimonials, and full particulars as to salary, &c., to the above address, and state when at liberty.

MARGATE.—Wanted, an Assistant, accustomed to good-class Retail and Dispensing. Full particulars of previous experience, age, height, salary required (outdoor), and enclose carte, to D. T. Evans, Chemist, Margate.

MIDLANDS.—Stockkeeper and Laboratory Manager; thoroughly competent man required for large Retail business in the Midlands; sound knowledge of prices, methods, and all details of the trade absolutely essential. Hedges & Son, Dale End, Birmingham.

NATAL.—Qualified Assistant wanted for Durban, Natal; must be good salesman, quick and accurate dispenser, and bad experience in good business; three years' agreement to be signed; salary £153, £165, and £180; room supplied, but not board; second-class passage paid. Apply, stating full particulars, to E. M. D., (196/16), c/o John Murdoch & Co., 32 Leadenhall Street, E.C.

NEW BROMPTON.—Wanted, a competent Assistant to take charge of small Branch. Apply, H. J. Willis, Chemist, New Brompton, Kent.

NORTHAMPTON.—Wanted, immediately, a competent Assistant, for a Drug Store. Apply, giving full particulars of age, height, references, and salary required (outdoors), to Blunt's Drug Store, 2 Parade, Northampton.

PARIS.—Wanted, by a first-class Chemist in France, an Assistant; must be expert Salesman, competent Prescriber, and of good address, with knowledge of French preferred. For particulars write, enclosing photo (will be returned), to J. Delouche, 2 Place Vendome, Paris.

PEMBROKE.—Wanted by a doctor, a Dispenser and Bookkeeper; time for study; abstainer preferred; send particulars of salary (indoors), age, and references. Apply, "Dispenser," Whitland.

PLYMOUTH.—Immediately, qualified Assistant; one used to first-class Dispensing and Retail. Apply, enclosing photo, and stating all particulars, Balkwill & Co., Chemists, Plymouth.

POCKLINGTON.—Wanted, a capable Junior Assistant, accustomed to an Agricultural business. Apply, with references and full particulars as to salary, &c., to Brigham, Chemist, Pocklington, Yorks.

POTTON.—Wanted, a qualified Assistant (indoors); Extractor preferred; permanency offered to a suitable man; character must bear strict investigation. Apply, with full particulars as to salary, &c., to Boud Smith, Chemist, Potton, Beds.

READING.—Dispenser wanted for first and second week in August. Walters & Price, 10 Castle Street, Reading.

SEACOMBE.—Wanted, a Junior Assistant, about 19, in a Light Retail and Dispensing business; time allowed for recreation and attending Liverpool School of Pharmacy. Apply, stating age, height, and salary expected, with reference, also photo, to Hukley, Seacombe, Liverpool.

SPALDING.—Assistant, used to Family and Dispensing business, about 24, indoors, immediately; easy hours. Apply, stating references, age, height, and salary required, with photo, to Donington & Co., Chemists, Spalding.

ST. LEONARDS-ON-SEA.—Junior wanted (Indoors) in Light Retail and Dispensing business. Apply, stating age, height, experience, and salary required, with photo (to be returned), to T. W. Jones, 71 Bohemia Road, St. Leonards-on-Sea.

TITCHFIELD.—Resident Managing Assistant; married, or contemplating same; qualification not essential; permanency; country business, with small Whol-sale; good house and garden; must be active, reliable, and not afraid of work. Photo (returnable), to W. O. Smith, Titchfield, Fareham.

TIVERTON.—Junior, by end of August; smart and active; qualification not necessary; half-day alternate weeks; short hours (indoors); send photo and usual particulars. Also qualified Locum; early in August. Lake's Select Pharmacy, Tiverton, Devon.

TORQUAY.—Junior (indoors), Light Retail and Dispensing business; 1 only kept; abstainer. Full particulars, John Taylor, The Belgrave Pharmacy, Torquay.

TORQUAY.—At once, as Dispenser, a gentlemanly Assistant, about 24 years of age, accustomed to high-class business. Photo and particulars, to E. A. Holloway, Chemist, Torquay.

TORQUAY.—Wanted, at once, qualified Assistant (Indoors) for the season; must be good Dispenser and Counterman. Apply, with full particulars as to age, height, references, and salary required (with photo, if possible), to F. Outmore, Chemist, St. Mary Church, Torquay.

TORQUAY.—Wanted, about middle of August, qualified Assistant, accustomed to first-class Dispensing business. Apply, with usual particulars and salary required, to Horton & Co., Torquay.

TUNBRIDGE WELLS.—Assistant, for high-class business; indoors; hours easy; 3 kept; business ability essential. Apply, with usual particulars as to age, height, salary, and photo (returnable) H. S. Pearmund, Pharmaceutical Chemist, 43 High Street, Tunbridge Wells.

WALTON-ON-NAZE.—Wanted at once, qualified Assistant accustomed to good-class Retail; permanency to suitable man. R. Modlen, Walton-on-Naze.

WATH-ON-DEARNE.—Branch Manager required, at once; must be a pushing Salesman, able to extract teeth, and possess an all-round knowledge of the business. Apply, stating references, salary required, &c., to A. O. Hollingworth, Chemist, Wath-on-Deerne, near Rotherham.

WESTGATE-ON-SEA.—Wanted, for August and September, a gentlemanly Junior Assistant, well up in high-class Dispensing. Apply, with carte, height, references, and salary required, to F. R. Bessant, Pharm. Chem.

WEYMOUTH.—Wanted, for about two months, a competent Assistant. Apply, giving usual particulars, to Gibbs, Chemist, Weymouth.

WHITEHAVEN.—Wanted, an Assistant; outdoors; qualified; Mixed business. State age, salary required, &c., John H. Grayson, Roper Street, Whitehaven.

WITHINGTON, MANCHESTER.—Junior (outdoor) required for high-class Retail and Dispensing business (senior kept). Address, stating references, salary, and enclosing photo (to be returned) to T. Woolruff, Ph.C., Withington, Manchester.

WOTTON-UNDER-EDGE.—At once, active, obliging, and trustworthy Junior Assistant or Improver wanted (indoors), about 20, for Light Retail and Dispensing; easy hours, half-day weekly. References, photo, and all full particulars to E. G. Fortlock & Sons, Wotton-under-Edge.

SITUATIONS OPEN—*cont.*

RETAIL—continued.

YORKS.—Wanted, qualified Assistant (outdoors) to manage a Branch Drug store in the West Riding, Yorks; one with Store experience preferred. Apply, stating age, height, references, and salary expected, to "Complex" (198/1), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

A energetic, gentlemanly Assistant for a small Light Retail, Dispensing, and Photographic business in S.W. suburb, with view to early succession. Apply to "Successor" (199/11), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

A QUALIFIED Assistant in the West-end, where three are kept. Full particulars to X. Y. Z., c/o Horner and Sons, Mitre Square, Aldgate, E.C.

A SSISTANT.—A smart and capable Counterman, used to quick cash trade. References, photo, and all particulars, Hedges & Son, Dale End, Birmingham.

A T once, capable Assistant, with good references; hours 1 P.M. until 12 P.M.; outdoors. Apply, Hicks & Co., 179 Westminster Bridge Road, London, S.E.

D ISPENSER, qualified, for high-class Branch Store; salary (outdoors), 42s. per week. State height, age, with references and photo to Wand, Store Chemist, Haymarket, Leicester.

I MPROVER or Junior wanted by July 25, indoors. Please write, stating age, experience, height, and salary required, also reference, "Chemist," c/o Messrs. Walker, Troke & Co., Wholesale Druggists, 2 Bath Street, City Road London, E.C.

I N about a month.—Wanted, a gentlemanly Junior, accustomed to Dispensing and quick Retail; comfortable home and good hours. "Devonia," Evans, Gadd & Co., Exeter.

M ANAGING Assistant in Suburban Store business; no Sunday duty; close at 5 Wednesdays; salary and commission; applicants should give full details of past experience and enclose photo in stamped addressed envelope; to gentlemen well up in their business, this vacancy offers exceptional opportunities. "Equity," Chemists' Club, Stonecutter Street, E.C.

M. BEETHAM & SON, Cheltenham, require a thoroughly qualified Assistant (about 24); must have been accustomed to a good-class Family Dispensing business. State references, salary required (indoors), and enclose carte, if possible (to be returned).

Q UALIFIED Assistant wanted for South of England, one of active and businesslike habits, for high-class Cash business; prospects of advancement to suitable man. Apply, enclosing latest references, and photo (if possible), to "Incog.," c/o Messrs. Wright, Layman & Umney, 50 Southwark Street, S.E.

S MART young qualified men wanted, at once, to take Front Counter work, with view to Branch management; must be steady and capable; good salary, with chances of promotion to suitable men. Apply, with full particulars, to G. O. Dusart, Sussex Drug Company (Limited), 135 Queen's Road, Brighton.

S TUDENTS.—Improver or Junior; comfortable home offered in return for Part-time (hours to be arranged), or nominal salary for half-time; state usual particulars. Also vacancy for Apprentice. Address, "North London" (195/36), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

W ANTED, at once, for the Retail (good Mixed Agricultural trade), an energetic and trustworthy Junior (outdoors); hours short, and good salary given to suitable man. Apply, with full particulars, references, photo, &c., in first letter, to save time, to W. Kemp & Son, Newcastle. Endorse envelopes "Mr. Whitlock."

W ANTED, Junior, chiefly for packing and putting-up stock; outdoors; must be good worker, with reliable references; personal interview preferred; hours 8.45 A.M., 9.30 P.M., Saturdays 11; every other Sunday duty; salary 25s. week, or according to experience. Vause, 297 Edgware Road, London.

W ANTED, a qualified Assistant for the summer season. Apply, giving usual particulars, A. H., c/o Southall Bros. & Barclay, Birmingham.

W ANTED, a gentlemanly and energetic Assistant to manage a Branch business; Light Retail and Dispensing; married man not objected to; must possess good all-round experience, and furnish undeniable references. Apply, enclosing photo, and state salary (outdoors), to "Bromidia," c/o Barclay & Sons, Farringdon Street, London.

WHOLESALE.

O LD-ESTABLISHED Soap and Perfumery Manufacturers require Town Traveller; experience; large and good connection indispensable. Address, stating salary and full particulars, "Soap," Box 1,023, Postal Department, Daily Telegraph, Fleet Street, E.C.

SITUATIONS WANTED

1s. for 12 words or less; 6d. for every 6 words beyond.

See Notice on front page for next week's issue.

RETAIL.

J UNIOR; 18; outdoors. "Rhei," 10 Tontine Square, Hanley.

M INOR; 28; outdoors; disengaged August 22. Johnston, 142 High Street, Barnet.

P ART-TIME; Student; London; disengaged. Bill, 24 Parsons Mead, Croydon.

L OCUM-TENENCY; hour, day, or week; 31. Hughes, 606 Harrow Road, London, W.

G OOD all-round quick trade (in or out), or as Locum. D., Pearce & Chemist, Edmonton.

T EMPORARY Manager; qualified; 45; town or country. Baker, 65 Leverton Street, N.W.

P ART or full time; short hours; experienced. "Assistant," 48 Falmouth Road, Boro', S.E.

L OCUM or permanent; qualified, Minor; disengaged; 39. Richardson, 108 Acre Lane, Brixton, S.W.

M ANAGER; qualified; 29; good experience. H. O., 1 Elm Park Terrace, Fulham Road, S.W.

Q UALIFIED Assistant; 28½; excellent references; Dispenser; Stores. H., 23 Harrington Street, N.W.

L OCUM or Part-time engagement wanted; London reference. Lloyd Jones, Hesketh Terrace, Abergele.

P ART-TIME; London; good experience and references. Roberts, 128 Westminster Bridge Road, S.E.

A SSISTANT; 24; well up in Store trade; unqualified. "Venus," 39 Stratham Road, Grove Road, Boro', E.

M ANAGER or Assistant; 39; Minor; disengaged; London. Williams, 122 Sandmere Road, Clapham, S.W.

A SSISTANT; 23; 7 years' experience; good Counterman; London. "Statim," 24 Parson's Mead, Croydon.

A UGUST.—Assistant; 27; thoroughly experienced; sound references. H., 5 Amwell Street, Pentonville, E.C.

U NQUALIFIED; disengaged; Prescriber, Extractor; long experience. "Rex," 124 Lumb Lane, Bradford.

L OCUM; aged 29; disengaged; first-class experience and references. "Rhei," 118 Kingsland Road, London, N.E.

A SSISTANT; unqualified; abstainer; aged 22; London preferred. "Statim," 11 Dunfries Street, Treherbert.

L OCUM-TENENS (33), experienced and abstainer, has fortnight vacant from 21st. 33 Station Road, Redhill.

J UNIOR; 5½ years' experience; in or out doors. Thomas Strickland Brade, 26 Walsley Street, Fleetwood, Lancs.

L OCUM.—Wanted, about 23th, two weeks' Doctor's dispensing; quick, reliable. "Dispenser," 14 Gibson Square, N.

M ANAGER or Senior Assistant; qualified; outdoors; South preferred. "Iris," c/o J. Wicks, Albion House, Wisbech.

L OCUM or Dispenser; qualified; disengaged August 4th until 31st. "Formaliu," 30 Elderfield Road, Clapton Park.

J UNIOR; aged 21; 3 years' experience in leading Northern firm. Hardy, Kenton Hall, Kenton, Newcastle-on-Tyne.

A SSISTANT; aged 39; married; unqualified; experienced; disengaged. "M.," 9 Blyth Street, Newcastle-on-Tyne.

W ANTED, situation as Improver; 8 years in last place; good reference. Address, J. H. H., 31 Winfield Mount, Leeds.

M ANAGER or Assistant; qualified; first-class experience; aged 32; married. Cocksbott, 18 Greendyke Lane, Doncaster.

J UNIOR; 20; tall; time for study; good experience; London preferred; Roberts, 154 High Road, Oldswick, London, W.

W ANTED, situation as Manager, in North of England, with view to succession. Address, Dixon, 20 Aglionby Street, Carlisle.

E VENING work required with Chemist or Surgeon; also Saturdays; good references. "Antipyrine," 82 Crowndale Road, N.W.

J UNIOR; 20; 4 years' experience; situation in first class business; Dispensing preferred. "Vinum," 60 High Street, Dorking.

L OCUM-TENENS; qualified; unexceptionable references; 52; disengaged August 9. Jones, Mr. Williams, Chemist, Tylorstown.

L OCUM; qualified; 28; disengaged 7th to 23rd August; highest references. Retailack, 4 Parade, Friern Barnet Road, New Southgate, N.

L OCUM, Manager; qualified; immediately; aged 27; fortnight only. Thomas Little, c/o J. H. Pasmore, 179 Blackstock Road, Highbury, N.

RETAIL—continued.

EVENINGS, for a few hours, or alternate, by Dispenser in London hospital, after 5; W.C. preferred. "Statim," 166 Southgate Road, N.

MANAGER; 22 years' best experience; tall; qualified. "Active" (199.16), Office of THE CHEMIST AND DRUGGIST, 42 Cannon St., E.C.

PART-TIME Dispensing; good London experience; S.E. district preferred. State salary and hours, J., 4 School Terrace, Golborne, Lancs.

EVENING Engagement by Minor student; disengaged 30th. "Dispenser" (198.19), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LOCUM or otherwise; all-round experience; good Prescriber and Extractor; disengaged shortly. "Scibium," Post Office, Wombwell, near Barnsley.

ASSISTANT, Manager; married; 30; Photography; good Store experience. "Oleum" (199.9), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASSISTANT or Manager; qualified; 25; London experience; abstainer; West of England preferred. Worth, Wye Villa, Stafford Road, Weston-super-Mare.

ASSISTANT; temporary or permanent; quick Retail, Prescribing; 15 years' experience; good references. Morris, 189 St. Leonards Street, Bromley, Middlesex.

MANAGER, or Dispenser to Surgeon; age 23; Dispenser, Prescriber, and Extractor; London and Country experience. "Chemist," 22 Wasp Nest Road, Huddersfield.

LONDON preferred; 27; qualified; good Dispenser; satisfactory references. "Troch." (196.8), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WILL Chemist make offer for half-time to Minor regaining strength after nervous illness? indoors. 195.10, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

BRANCH Manager or Assistant; qualified; aged 29; good experience; Prescriber and Extractor; abstainer; outdoors preferred. Jones, 3 Tresillian Terrace, Cardiff.

QUALIFIED; aged 28; 8 years' first-class Store experience, 4 as Dispenser and 4 as Manager. Apply, 197.17, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANAGER or Senior; married; 31; Minor; excellent testimonials; Prescriber, Extractor, Photography. 196.30, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

DISPENSER to Surgeon, or part-time, requires situation; good experience; disengaged. A.C.E. (192.26), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANAGER or Assistant; qualified; aged 30; salary 35s. week (outdoors); North preferred. I.N.L. (197.20), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TEMPORARY Assistant; many years' experience in London and country; disengaged after the 29th inst. to August 14 inclusive. T. Hunt, 54 Weltje Road, Ravenscourt Park, W.

BRANCH Manager; qualified; 25; reliable and capable; London or suburbs preferred; about end of August. 198.20, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANAGER or Assistant; good Prescriber; fully qualified; aged 50; experienced; no encumbrance; abstainer. "Olim," Mr. Walker, Chemist, near George's Church, Everton, Liverpool.

ASSISTANT; experienced; town or country; smart Counterman and Dispenser; Locum or permanency; outdoors; disengaged. 99.32, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANAGER; qualified; London, Country experience; Wholesale, Retail Stores; knowledge of Photography; good references. W.N. (199.33), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASSISTANT, with excellent English and Continental experience. wishes London (outdoor) situation; speaks English, French, and Spanish fluently; excellent references; total abstainer. Frank, 4 Marlborough Square, Chelsea.

WHOLESALE.

TRAVELLER (Sundries) wants a few extra lines. Walker, 18 Chelmsford Road, Dublin.

AGENCIES.—Chemist has vacancy in Dublin shop. Walker, 18 Chelmsford Road, Dublin.

LABORATORY.—Energetic young man (22) desires berth. Bennett, 229 Peabody Square, London, N.

TRAVELLER, calling London suburbs' Chemists daily, is open to take up an Agency. Henry, 72 Powerscroft Road, Clapton, London, N.E.

WHOLESALE Trade; aged 30; Chemist is open to engagement. "Sanitas" (199.9), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANAGER or Traveller; 32; tall; first-class all-round experience and testimonials. 193.60, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TRAVELLER, disengaged, married, desires berth in good Drug house; London, Suburbs; best references; wld interview at any time. "Phenazonum," 29 Field Road, S.W.

TRAVELLER.—Advertiser is open to represent a first-class house (Drugs or Sundries), either at home (Midland counties) or in South Africa. "Minor" (173.22), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TRAVELLER, with good connection amongst Chemists in the Northern district, seeks re-engagement in Drugs, Sundries, or Specialties; thoroughly steady and well recommended; aged 34; 197.23, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

AGENCY Wanted—Soluble Essences, Patent Medicines, or Drugs—by experienced gentleman with extensive connection; able to influence business, having commodious London office and warehouse accommodation, situated in heart of above trades. 199.31, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, to Represent good House on Commission; bonus will be paid to anyone recommending good line of goods to sell; Partnership in good specialty entertained; advertiser has excellent testimonials and good experience; steady, active, and energetic; Minor qualification; capital at disposal. "Veritas" (194.13), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MISCELLANEOUS.

Special charges are made for Advertisements under this heading, which can be obtained on application.

See Notice on front page for next week's issue.

BECAUSE Daisy sells like ripe cherries, we have been enabled to enlarge our orders from time to time; we have just doubled our premises, and already the twin Daisy factories are in full swing. Daisy (Limited), Leeds.

PRESENTATION TO DR. ATTFIELD.—Group Photograph (14 x 10), taken after the presentation, may be had from W. Coles, Photographer, Watford. Prices: Silver prints, unmounted, 3s. 8d.; mounted, post free, 5s. Platinotypes, unmounted, 4s. 8d.; mounted, 6s. For abroad copies should be unmounted.

AGENCY.—A qualified Scotch Chemist, thoroughly conversant with the Wholesale Drug and Sundries trade (including Surgical-dressings) in Scotland and North of England, is prepared to accept Agencies for, and hold stock in, Edinburgh of Pharmaceutical preparations, Chemicals (Pharmaceutical and Technical), high-class Sundries and Surgical-dressings; regular journeys undertaken and security given for stock held. Address, "Aseptic" (198.15), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

CHEMISTS' Shop-fittings.—Ranges mahogany drawers, with bevelled-edge glass labels and cut-glass knobs, shelving above, lockers below; mahogany dispensing-screens; counters with glass-case fronts; wall-cases; bent-front and flat-top counter-cases; counter-desks; tooth-brush cases; complete shop-rounds, &c.; every requisite for Chemists, new and second-hand; extensive stock to select from, at extremely low prices; practical men sent to all parts; estimates free. Matthews, Chemists' Fitter, 14 Manchester Street, Liverpool.

CHEMISTS' Shop-fittings.—Second-hand, just out of use, 13 ft. mahogany and plate-glass counter fitted at back with 30 drawers, £10.10s.; 5 ft. dispensing-screen, mirror centre, £5; desk and perfume-case, 45s.; 2 4-gallon carboys on mahogany stands, 30s.; 14 ft. run of mahogany fronted drug-drawers, bevelled-glass labels and knobs, lockers, mirror poison cupboard, shelving, pillars and cornice, £18.10s., and quantity of other goods at all prices ready for use. Philip Josephs, Shop Fitter, 54 Old Street, City Road, London, E.C.

LEMONADE-POWDERS, made from fruit; the best on the market; allow 45 per cent. profit; attractively got up in boxes containing two dozen powders; one packet equals produce of six lemons nearly, and makes 40 tumblers of lemonade; retail 4d.; price 3s. per gross, carriage paid; sample sent free on application; trial box carriage paid for 5s. 6d. Brownlow, Chemist, Melton Mowbray.

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ROUSE'S Cucumber Paste is the best for preparing Cucumber Emulsion. Formulae and labels free with each jar; ½ lb. (for 3 lbs. emulsion), 2s. 3d.; 1 lb., 4s. 3d.; 7 lbs., 25s., post free. Rouse, 61 Charlotte Street, London, W.

N.B.—Cucumbers actually enter into the composition of this article.

STIRLING'S "MINOR" AIDS.

Tabulated Materia Medica, B.P., 1885-90, and Non-Official, 2nd Edition. Much time and laborious study saved by the use of these Tables. 1s. 6d. Notes on Dispensing. Pocket Edition (4th). Interleaved for M.B. notes. 1s. 6d. Doses, Sp. Grs., and Percentages of B.P. 1885-90. New and Improved Edition. Scheduled Poisons (Parts I and II) in distinctive type. 6d. Equations, &c., of the B.P. Chemicals. An aid to the Chemistry of the British Pharmacopoeia, and a Guide to Equation Writing. 1s. Synopsis of Strengths, B.P. 1885-90. By means of this little book a month's work may be easily done in a few spare half-hours. 1s. Pharmaceutical Latin and Prescription Reading. With Key. 1s. 6d. Post free per return for P.O. or stamps, from the Publisher.

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Maw's 5-grain mahogany pill-machine, marble slab, cut 24, good as new, 12s., free. Z., 12 Grigg's Road, Walthamstow.

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Minor.—How to pass easily! cheaply! well! stamped envelope. LAWS, Chemist, Streatham, S.W.

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What offers for 4 cwt. (about) ground staveacres? carriage paid. STOCKDALE, Market Place, Thirsk.

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Up-to-date recipes for energetic Chemists.—Superior sticky fly-papers (new recipe), 2s., cost 5d. lb., keep moist any length of time, equal to any make; splendid inseparable furniture-cream, 1s. 6d.; both 3s.; also reliable as follows: starch-glaze; pig-powders; transparent cement for broken articles; Indian brandy; children's wind and gripe mixture; infants' carminative; 1s. each, lot 4s. 6d.; satisfaction guaranteed. H. L. ROSE, 4 St. Leonard's Place, Alcester Road, Birmingham.

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Student's microscope, by Crouch; 1-in. and $\frac{1}{2}$ -in. objectives; 2 eye-pieces; £3 10s. HEWITT, Eastgate, Rochester.

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Lancaster's portable Instanto camera, hand or stand, bound morocco, Iris R.R. lens, time and instantaneous shutter, stand complete, once used, £2 2s. 193/25, Office of the C. & D.

Can't-lever-pattern enlarging-lantern, with 3-in. condenser, $\frac{1}{2}$, $\frac{1}{4}$, and $\frac{1}{8}$ burners, duplex carriers, leather bellows, portrait lens; complete as new, £7 10s. G. S. BRAY, 24 Spurstowe Road, Hackney.

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SHOP FITTINGS.

Stock and fixtures for immediate disposal, at valuation; would suit a branch or otherwise. Write to E. & I. J. DADLEY, 21 Cartergate, Nottingham.

Dainty fittings for chemist's shop about 10 ft. square, comprising shelving, cornice, large handsome case and cupboard of stained pine, 2 counter-cases; all new January, 1896, except wall-case; set drawers under counter (label, cash, &c.), tap and sink, &c.; first good offer accepted, or fixtures alone. MCKEE, Cash Chemist, Tunstall.

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Camwal shares; 4; what offers? 193/29, Office of the C. & D.

MISCELLANEOUS.

Plants *Datura stramonium* as botanical specimens, 1s. 6d. doz., free. CHELL, Chemist, Leek.

What offers for 83 by 39 air-bed, new, in perfect condition? approval desired. YATES, Chemist, Blackburn.

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Soda-water trolley; a boy of eight can easily convey 3 dozen syphons and cases any distance; 35s., carriage paid. ARTHUR & Co., Cambridge.

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Hand-pump for soda-water machine. CAIRNIE, Thurso.

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Any old stock of Winter's Rypophagon soap bought. Apply, DULLEY, Cromer.

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The "Chemist and Druggist" for July 3, 1897, clean and complete. S. B., Office of the C. & D.

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Two upright show-cases, 6 ft. high, 1 ft. wide; plate-glass and mahogany fittings preferred. Price to DUTTON & Co., Chemists, Chesham.

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Dispensing-screen, with case below, 6 feet long; counter-case, foot wide, 4 feet long; tooth-brush case. Full particulars and price to THOMAS, West Street, Rochdale.

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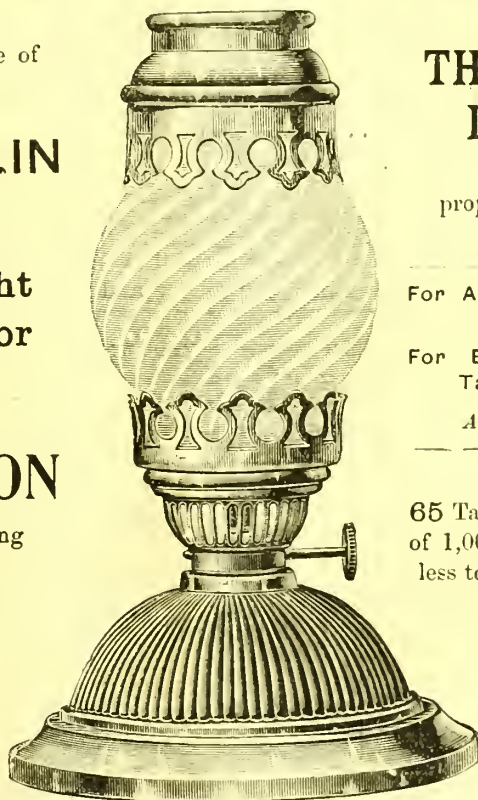
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For Air Sterilisation use 1 Tablet
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The Subscription List will close on July 27, 1897.

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AUSTRIAN PINE PRODUCTS
(PINUS PUMILIO).

Professor
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recommends
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AUSTRIAN PINE
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Prepared by
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PROSPECTUS.

This Company has been formed for the purpose of acquiring the sole and exclusive right of purchasing from The Reichenhall Syndicate (Limited), and of selling in the United Kingdom and the Colonies, Joseph Mack's Austrian Pine Products.

The essence and extract of *Pinus Pumilio* as produced in the well-known and long established Distillery for Austrian Pine Products of Joseph Mack, of Reichenhall, having been brought to the notice of the Vendor Syndicate, and the efficacy of their remedial qualities having shown such satisfactory results, that the introduction of the products into this country was undertaken by the Syndicate on a small scale and without incurring any large expenses for advertising. Accordingly the Products were imported and dealt in, and from the manner in which the sales have been progressing it is considered that the time has now arrived when steps should be taken to bring them more prominently before the public at large.

The Austrian Pine, from which these Products are derived, is known as *Pinus Pumilio*. These Pines grow on the higher summits of the Bavarian Alps in the district of Reichenhall, which has become a place of great importance, the number of patients treated there increasing annually.

The preparations manufactured by the Vendor Syndicate from Mack's Pine Products are:—

- | | |
|--------------------------------------|---|
| 1. Pure Essence of Austrian Pine | 6. Pectoral Paste (Jujube) of Austrian Pine |
| 2. Anti-Rheumatic Bath | |
| 3. Solution of Austrian Pine Essence | 7. Austrian Pine Sanitary Soap |
| 4. Capsules of Austrian Pine Essence | 8. Bouquet des Alpes |
| 5. Pectoral Syrup of Austrian Pine | |

A description of these preparations and their methods of use accompany the prospectus.

In a letter to the late Joseph Mack, dated 8th January, 1888, Professor G. von Liebig, M.D., M.R.O.S., Eng., Practising Physician at Reichenhall during the Thermal season, wrote:—

I exclusively recommend and use the Essence and Extract of *Pinus Pumilio* as produced in the well-known and long-established Distillery for Austrian Pine Products belonging to Mr. Joseph Mack, at Reichenhall.

The following is a copy of an analytical record from the *Lancet* Laboratory, published in the *Lancet* Newspaper, on the 3rd April, 1897:—

AUSTRIAN PINE PRODUCTS (JOSEPH MACK).

THE REICHENHALL SYNDICATE (LIMITED), 60 QUEEN VICTORIA STREET, E.C.

The basis of all these good preparations is the essence obtained by distillation from the *Pinus pumilio*, which is found in the highest regions of the Austro-Bavarian Alps, the tree selected for the special purpose occurring at an altitude of not less than 6,000 feet above the level of the sea. The essence is a fragrant, clear, mobile, and colour-

less oil, which we find has a constant boiling point of 78°5° C. It is therefore readily volatilised. Probably the beneficial action which it undoubtedly has when employed as an inhalant, and also when taken internally, is due to its inherent antiseptic properties, and also to the fact that it readily develops peroxide of hydrogen on contact with moisture. A simple experiment illustrates this. On shaking the oil with water the liquid will be found to contain peroxide of hydrogen by the usual tests. It may thus serve as an oxygenator and purifier of air. The Austrian pine products include the following preparations:—Pectoral Syrup, for use in pulmonary disorders; Pectoral Paste, used for a similar purpose as a lozenge; Capsules of Pine Essence, for administration in bronchitis and allied affections; Bouquet des Alpes, a refreshing and fragrant application for the handkerchief; Anti-Rheumatic Bath, a more or less crude preparation containing the entire pine principles, and evolving when placed in hot water an agreeably aromatic smell; Sanitary and Toilet Soap, a soap, as our tests proved, of excellent quality. Not the least favourable features of these preparations is the fact that while beneficial in certain lines of treatment they are very agreeable to use, the basis being characterised by an especial fragrance.

The Directors propose to spend in advertising an amount of from £5,000 to £8,000, which amount they may vary according to results, by which means they are convinced a very large demand will be created, from which the Company will reap a corresponding profit.

The Vendor Syndicate will apply and pay for the whole issue of the Ordinary Shares, the amount of which will form the working capital of the Company, and is considered ample for all present purposes.

The issue of the 25,000 Preference Shares will, as far as possible, be reserved for applications from the trade.

The Vendor Syndicate, who are the promoters of the Company, and who bear all expenses incidental to the formation and registration of the Company, up to the first general allotment of Shares, have fixed the purchase consideration at £25,000 in Cash, or in Cash and Shares.

The only Contract entered into is dated the 8th day of July, 1897, and has been made between the Reichenhall Syndicate, Limited, of the one part, and the Company of the other part.

The Memorandum and Articles of Association of the Company and the above Contract can be inspected at the offices of the Company.

Applications for Shares should be made on the form accompanying the Prospectus, and should be sent to the Company's Bankers, together with the application money; cheques to be drawn to the order of the Company's Bankers.

Where no allotment is made the application money will be returned in full, and where the number of shares allotted is less than the number applied for, the surplus will be appropriated on account of the allotment money, and any excess returned to the applicant.

July 9, 1897.

Arrangements have been made under which Medical Men and Chemists can secure gratis twenty-five 10 per Cent. Preference Shares. For details apply to

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Beg respectfully to inform their friends and the Trade generally that their **Exhibit No. 3**, in the forthcoming Chemists' Exhibition, is situated in **Avenue A**, within a few paces of the **Central Entrance**. Competent Assistants will be in attendance during the continuance of the Exhibition, prepared to afford any and every information which enquirers may need.

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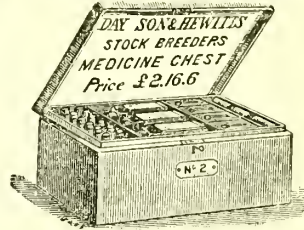
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Complete in 3 sizes. Sent Carriage Paid.

Prices—

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A sure remedy for the Fret, Colic or Gripes, Indigestion, Loss of Appetite in Horses. For Debility, Scour, or Diarrhoea in Horses, Cattle, and Sheep. Hoven or Blown Cattle and Sheep instantaneously relieved.

Price 1/9 per Bottle. 20/- per doz.



For all Feverish Disorders among Cattle, Sheep, and Pigs, and for Colds, Indigestion, Costiveness, Yellows, Surfeits, Loss of Cud, Hide-bound, Red Water, &c. Admirably adapted for Cleansing and checking Feverish symptoms in Cows and Ewes after Parturition, rendering the milk copious, pure, and wholesome. It acts as a safe preventive of milk Fever.

Price (Cows), 13/- per doz. box;
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For Blood Disorders in Horses, Eczema, Surfeits, Nettle-rash, Ringworm, Itching, Ill-Condition, Off-Appetite, Staring Coat, and Singingness. Invaluable for Sterility or Barrenness in Horses and Mares, by virtue of its Phosphoric and other stimulating ingredients. Contains no injurious drug and can be given at all times to all breeds of horses without stopping their work.

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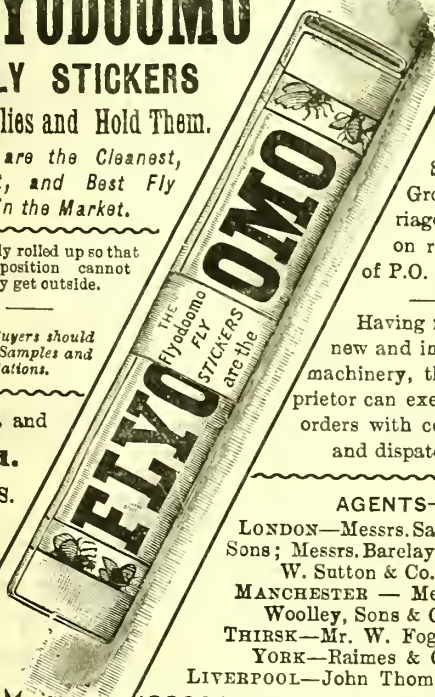
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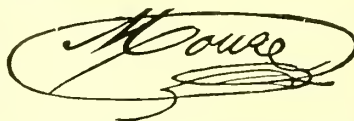
Like blotting paper it appear—a sort of greyish reddish tinted,
With wopses, flies, and insects queer, and forin language on it printed;
You takes and puts a little bit into a saucer or a basin,
A drop of water pours on it, and sets it some convenient place in.

They buzzes into it, bizwiz, attracted by the hopes of suction;
And I can truly tell you 'tis their certain death and sure destruction.
No dirty, dauby, plaguy mess, all smeary, treacly, fulsome, sticking,
Nor none of that unpleasantness to see the nasty creatures kicking.

They comes and drinks, away they flies; you sees no more of them there ribbles,
Out of your sight they goes and dies, like rats and mice that pison nibbles.
"Catch-'em-alive-o's!"—fiddlestick! I say, let them speak as have tried 'em;
To kill the swarming devils quick, they ain't for to be named 'longside 'em.

Which also, though they're pison rank to flies and all sich-like Philistians,
Don't injure cats, which goodness thank, and has'nt no effect on Christians.
At least they say so—as to that, they may or mayn't hurt one nor t'other;
I wouldn't try 'em on my cat if I could try 'em on another.

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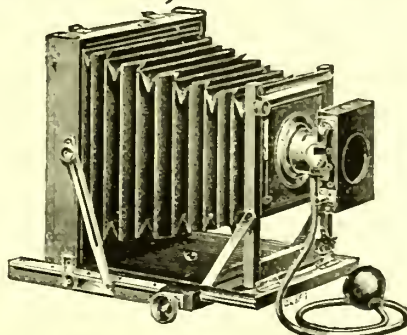
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factured strictly in accordance with the names
bestowed upon them.

The Two Most Fashionable Perfumes.

MÜLHENS'

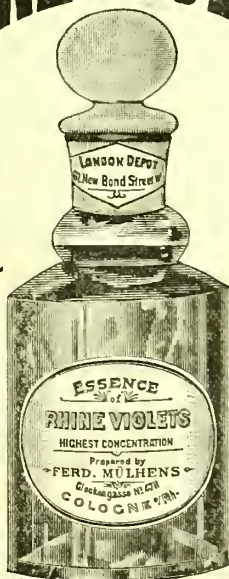
RHINE VIOLETS

COMMANDS
A
QUICK SALE.

3/-. 3/6, 5/6,
9/-. 20/-
per bottle.

Rhine Violet
Sachets,
2/6 each.

Rhine Violet
Soap,
2/6 per tablet,
or 7/- per box
of tablets.



LEAVES A
GOOD
PROFIT.



STOCKED BY ALL THE LEADING
WHOLESALE HOUSES.

Wholesale and Export Houses are
requested to communicate direct
with the Sole Agent.

MÜLHENS'

EAU DE COLOGNE

STRONGEST
AND MOST
LASTING.



COMMANDS A
HICHER
RETAIL PRICE
THAN ANY
OTHER.

SOLD IN ALL
THE
USUAL SIZES.

R. J. REUTER, 62 NEW BOND ST., LONDON, W.

Telegrams—"REFRESHING LONDON."

UNRIVALLED 'OVALINE' UNRIVALLED

UNDER THE P.A.T.A.

UNDER THE P.A.T.A.

THE ONLY SOAP PREPARED WITH YOLK of EGG.

7/6 *A Profit of* **33** *%* *A Profit of* **36**
FOR TABLETS.

"CHEMIST AND DRUGGIST" says:

"One of the NICEST SOAPS which have been introduced within recent years, and one differing in COMPOSITION FROM ALL NOW ON THE MARKET. The name obviously suggests eggs, and eggs suggested the soap. The SOAP IS WELL MADE, NEUTRAL, DELIGHTFULLY SCENTED, and, while being refreshing in use, gives to the SKIN THAT WARM AND SOFT FEELING indicative of a good circulation. The same soap basis is used for all, scent and size determining the prices."

Send for Sample Boxes and Prices.

Show Cards and Pamphlets freely distributed.

PEACOCK'S OVALINE SOAP CO., LTD., 145 QUEEN VICTORIA STREET, LONDON, E.C.

Look to your Stock OF MAYPOLE SOAP.

OF

The Demand is Phenomenal!


3 H A D E I N E.

For Colouring the Hair. Sold in 6 tints, one liquid.



6d. Sample size	4/- per doz.
3/6 Large "	28/- "
10/6 Extra "	84/- "

SAMPLES Supplied to the Trade
on pretty hanging Showcards at
4/- per doz.

 This Popular Article
is Largely Advertised,
and kept at all Whole-
sale Houses.

Agents Wanted.

ALEXANDRE, 30 WESTBOURNE GROVE, LONDON.

BRECKNELL'S

PRIZE
MEDAL.

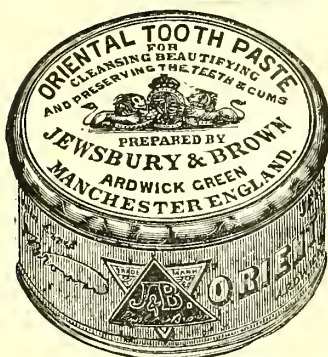
Recommended by **SKIN** Unscented,
Eminent Medical Men. yet
Sweet as a Rose.

Although low in price, it ranks with high-class soaps, and is altogether the best extant for producing a Clear and Healthy Skin.

SOAP.

The longer it is kept the more it improves and increases in value.

BRECKNELL, TURNER & SONS, LIMITED,
To Her Majesty, &c., &c.
31 HAYMARKET, LONDON.
ESTABLISHED 1802.



JEWSBURY & BROWN'S Oriental Tooth Paste.

Established over 70 years. Warranted to retain its properties and keep good in any climate. The original and only genuine is manufactured solely by

JEWSBURY & BROWN,
ARDWICK GREEN, MANCHESTER.

Particular attention should be paid to the Trade Mark, printed in red and green, a facsimile of which is annexed, as numerous imitations are offered.

MAY BE OBTAINED FROM THE WHOLESALE HOUSES.

Bills and Showcards forwarded on receipt of Address Cards and directions for enclosure.

EWEN'S LARD IN TINS.

Ewen's Lard is now supplied in *free* tins at the following prices:—

PLAIN LARD.			BENZOATED LARD.		
	s.	d.		s.	d.
1 lb. Tins ...	0	10	each.	1	11
2 " " ...	1	8	"	1	10
4 " " ...	3	2	"	3	6
7 " " ...	5	6	"	6	1
14 " " ...	11	0	"	12	2

as well as in pots (returnable) at 9d. per lb. plain, and 10d. per lb. benzoated.

JAMES EWEN & SONS,
5 HATFIELD STREET, BLACKFRIARS, LONDON, S.E.

Best and Safest Dentifrice.

OSCAR SUTTON & CO.
PRESTON.
PREVENTS DECAY.
OSTOOTH BLOCK 1s.
REFUSE IMITATIONS
OF ALL CHEMISTS AND
PERFUMERS

PERFECTLY PURE.

WRITE FOR OUR PRICES BEFORE ORDERING.

S^{0/56} V^{0/60} R

TINGTURE SPIRIT

60 O.P. AT LOWEST PRICES. 56 O.P.

PURE ORANGE WINE.



S^{0/61} V^{0/64} M

AT LOWEST PRICES.

Special Terms to Large Buyers.

PURE GINGER WINE.

FOREIGN WINE AND SPIRIT MERCHANTS.

SOLE PROPRIETORS OF THE FAMOUS "GLENALLAN" PURE MALT WHISKY
7 YEARS OLD. THE CREAM OF SCOTCH WHISKY. Per doz. 42/- Per doz.

BOORD & SON,
DISTILLERS, FOREIGN WINE AND SPIRIT MERCHANTS, AND METHYLATORS.
ALLHALLOWS' LANE AND BARTHOLOMEW CLOSE, LONDON, E.C.
Quotations for S.V.R. Methylated Spirit and Finish on application.
FINEST ORANGE WINE FOR QUININE.

WALKER, TROKE & CO.

WHOLESALE DRUGGISTS,

2 (late 65) Bath St., City Road,
LONDON, E.C.



SOLE MAKERS OF
GABRIEL & TROKE'S
CELATINE CAPSULED
HORSE BALLS.

Alterative, Condition, Cordial, Cough,
Diuretic, Fever, Physic, Worm, Quinine
Tonic Balls (Registered 81,291).

GELATINE-COATED DOG AND FOWL PILLS. SAMPLES FREE.

THE DIRECTORS

OF

“CAMWAL”

BEG TO ANNOUNCE

THAT THEIR VARIOUS MANUFACTURES & NOVELTIES

WILL BE ON VIEW AT THE

**MEDICAL, SURGICAL, & HYGIENIC
EXHIBITION.***To be held from the 26th to the 30th of JULY, 1897,*

AT THE

QUEEN'S HALL, LANGHAM PLACE, W.

.....

THE VESTIBULE

has been secured in order to provide accom-
modation for all Chemists who may favour
“CAMWAL” with a visit.

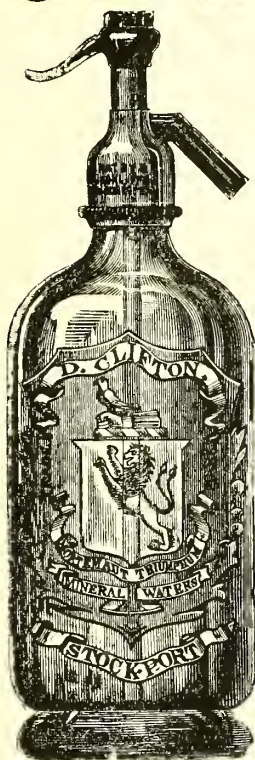
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TICKETS FOR ADMISSION TO THE EXHIBITION WILL BE FORWARDED FREE OF CHARGE  
ON APPLICATION

To the Secretary, 45 Gifford Street, Caledonian Road, London, N.



# SYPHONS & SELTZOGENES



Messrs. J. BARRE JOHNSTONE & CO., 20 Loftus Street, Sydney, N.S.W.  
Agents for New South Wales, Queensland, and New Zealand.  
Messrs. NOYES BROS., 43 Queen Street, Melbourne, Victoria, Agents for  
Victoria, South and West Australia, and Tasmania.



81 ROBERTSON STREET, GLASGOW.

## PRICES.

SYPHONS ... 1/6, 1/8, and 1/10 each.

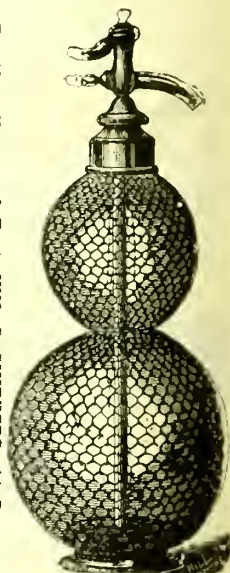
## SELTZOGENES.

|     |     |     |     |      |      |       |
|-----|-----|-----|-----|------|------|-------|
| 1   | 2   | 3   | 4   | 5    | 8    | pint. |
| 6/- | 6/8 | 7/6 | 8/6 | 10/5 | 16/- | each. |

Including two funnels and stopper for charging.  
The tops of these Seltzogenes are made of pure block tin, guaranteed.  
A copy of our Book of Instructions for the manufacture  
of Aerated Beverages will be presented to purchasers.

American Agents: For New York and East, WM. G. SMITHERS, 11 Duane  
Street, New York.  
For Chicago and West, VICTOR BAROTHY, 409 Dearborn Street, Chicago.

All our Seltzogenes are  
manufactured  
on the well-known  
"Fevre" System, and  
each  
one is thoroughly  
tested before leaving  
the works.



## Re

COLEMAN'S Wincarnis

COLEMAN'S Crown Imperial Invalid  
Champagne

COLEMAN'S Coca Wine

COLEMAN'S Wincarnis with Quinine

COLEMAN'S Coca Wine with Quinine

The above Medicated Wines, with the exception of Wincarnis  
with Quinine and Coca Wine with Quinine, cannot be sold  
without a Foreign Wine Licence.

Under certain conditions Messrs. COLEMAN  
& CO., Limited, are prepared to Pay for a  
Foreign Wine Licence.

FOR PARTICULARS APPLY TO

MESSRS. COLEMAN & CO., LTD.

Wincarnis Works, NORWICH.

## HOLY-ROOD TABLE WATER.



Shown by analysis to be equal to the best imported,  
and is FAR MORE ECONOMICAL.

Highly Commended by LEADING MEDICAL AUTHORITIES

"Messrs. J. F. Macfarlan & Co. have hit upon a really excellent idea—  
viz., an artificial saline table-water, similar in composition to the popular  
imported natural aerated table-waters."—*Chemist and Druggist*.

J. F. MACFARLAN & CO.  
Abbeyhill Chemical Works,  
EDINBURGH.

SELTZOGENE CHARGES  
("MINERAL" BRAND).

A NEW DEPARTURE.  
TARTARIC ACID SUPERSEDED

(See this Journal, 19/12/96, page 880).

British Materials. Inorganic. No Field for Germ Growth.  
BETTER. STRONGER. CHEAPER

THE SELTZOGENE PATENT CHARGES CO.  
ST. HELENS.



**BARNETT & FOSTER**

MANUFACTURERS.

**The "COMPACT"**

CONTINUOUS ACTION

**Soda=Water Machine**

For use with the Liquefied Carbonic Acid Gas.

Specially designed for use where space is an object, and for those having a large retail trade, such as Chemists, Hospitals, Restaurateurs, Hotel Proprietors, &c. They are ready for work immediately, require no fixing, and produce Aërated Waters of the very highest quality at a minimum of cost.

We guarantee to produce a better article with these than any other system adapted for using the Liquefied Gas, and at a lower pressure, thus effecting an immense saving in bottles, and also reducing risk of accidents.

.....

**NO DANGER.****NO MESS.****PERFECTLY RELIABLE.**

.....

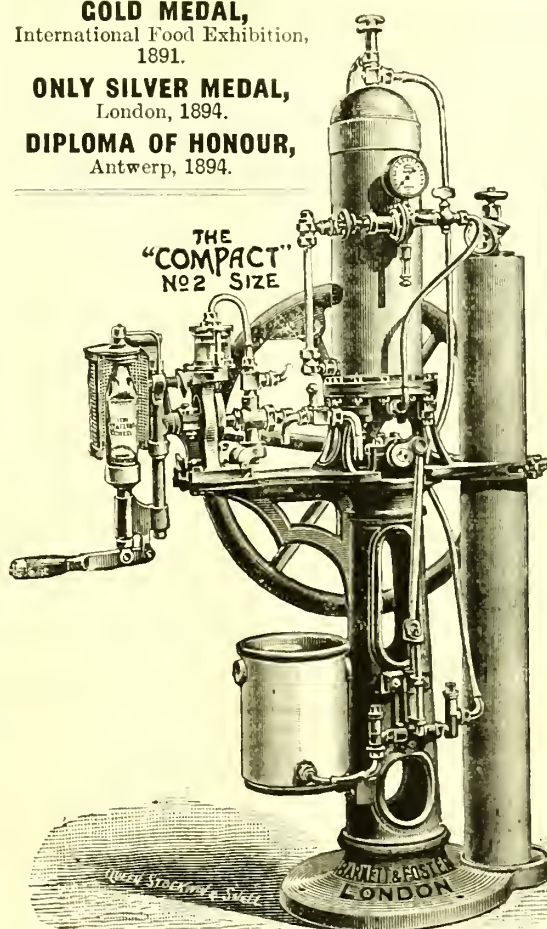
In use by

Leading Chemists in all parts of the United Kingdom.

**COLD MEDAL,**  
International Food Exhibition,  
1891.

**ONLY SILVER MEDAL,**  
London, 1894.

**DIPLOMA OF HONOUR,**  
Antwerp, 1894.



**No. 1 Size,** complete with Turnover and Syphon-filling Machine, and fitted with fast and loose Pulleys for driving by Power. Code word *Supremacy*. **£60**

*Two Fillers included.*

Producing Capacity by Hand-power 600 dozen per day.

Ditto, by Power, 1,200 dozen per day.

**No. 2 Size,** complete with Turnover and Syphon-filling Machine. Code word *Royalist*. **£48**

*Two Fillers included.*

Producing Capacity by Hand-power 350 dozen per day.

Ditto by Power, 700 dozen per day.

**No. 3 Size,** complete with Turnover or Syphon-filling Machine. Code word *Retailer*. **£33**

Producing Capacity by Hand-power 200 dozen per day.

Syrup Pump fitted to the Turnover Filling-machine on either of above (*Injecto*) £2 extra. If fitted with one Filling-machine only, the two largest Machines are charged £3 less than above prices.

**Sole Inventors and Manufacturers of the**

**"Niagara" Bottle and the London-made Syphon**

**KNOWN ALL OVER THE WORLD.**

.....

*Illustrated Descriptive Catalogue of every requirement for the Mineral Water Trade on application.*

**Niagara Works, 26<sup>T</sup> EAGLE WHARF ROAD, LONDON, N.**



# **“Hall’s Wine”**

## **Window Show**

### **Competition.**

#### **£325 IN PRIZES.**

|             |   |     |     |                   |
|-------------|---|-----|-----|-------------------|
| First Prize | - | £30 | 5   | Prizes of £5 each |
| Second „    | - | £20 | 20  | „ £2 „            |
| Third „     | - | £10 | 100 | „ £1 „            |

200 Consolation Prizes of 10s.

A number of our customers having requested us to have another Window Show Competition, we have pleasure to announce that we offer **£325**, divided into 327 prizes, as above. The experience of our first competition in 1895 has led us to slightly alter our conditions.

We shall send the same number of dummies and showcards to **every competitor**, and the prizes will be awarded to those who show the greatest artistic taste in their arrangement.

In the previous competition Mr. R. LEITHEAD, West Hartlepool, gained Second Prize with three dozen dummies; this number, therefore, will be sent to each competitor.

#### **CONDITIONS.**

Only retailers who stock “Hall’s Wine” and have signed our non-cutting agreement can compete. Competitors may use advertising matter other than that supplied by us.

The Judges will be the Staff of *Tit Bits* assisted by Sir GEORGE NEWNES, Bart., whose decision will be final, and the prizes will be awarded in strict accordance with artistic merit.

The proprietors will forward the dummies carriage paid.

The Competition commences on August 23rd, 1897, and the window must remain dressed until September 6th, 1897.

Each competitor must forward a photo of his window, at his own expense, on the back of which his name must appear.

Applications for dummies, &c., must reach us not later than July 31st, 1897.

**STEPHEN SMITH & CO. (LIM.),**  
Proprietors of “Hall’s Wine.”

*Malmesbury Road, Bow,  
London, E.*



# NATURAL MINERAL WATERS.

PACKING  
FREE.**INGRAM & ROYLE LTD.**CARRIAGE  
PAID.

LONDON—EAST PAUL'S WHARF, 26 UPPER THAMES ST.

**HUNYADI-JÁNOS**LIVERPOOL:  
19 South John  
Street.BRISTOL:  
80 Redcliff St.**VICHY**

| NAME                  | Per Dozen |        | Original Packages |           |           |          | NAME                          | Per Dozen |        | Original Packages |           |           |          |
|-----------------------|-----------|--------|-------------------|-----------|-----------|----------|-------------------------------|-----------|--------|-------------------|-----------|-----------|----------|
|                       | Bots.     | ½ Bots | Bottles           | ½ Bottles | ¾ Bottles | 1 Bottle |                               | Bots.     | ½ Bots | Bottles           | ½ Bottles | ¾ Bottles | 1 Bottle |
| Esculap ... ..        | 15/-      | 12/-   | 25                | 30/-      | 50        | 50/-     | Pitkeathly ... ..             | —         | 3/6    | —                 | —         | —         | —        |
| Apollinaris ... ..    | 6/-       | 5/-    | 50                | 23/-      | 100       | 36/-     | Pullna ... ..                 | 12/-      | 8/-    | 40                | 36/-      | 40        | 25/-     |
| Bourboule (La) ... .. | 11/-      | —      | 50                | 42/-      | —         | —        | Reginaris ... ..              | 5/6       | 4/6    | 50                | 21/-      | 50        | 17/-     |
| Carlsbad ... ..       | 12/-      | —      | 50                | 46/-      | —         | —        | Reisdorf ... ..               | 5/6       | 4/6    | 50                | 22/-      | 100       | 35/-     |
| Condal ... ..         | —         | 14/-   | —                 | —         | 50        | 58/-     | Rosbach ... ..                | 5/6       | 4/-    | 50                | 20/-      | 100       | 32/-     |
| Contrexeville ... ..  | 9/-       | —      | 50                | 35/-      | —         | —        | Royat ... ..                  | 9/-       | —      | 50                | 34/-      | —         | —        |
| Flitwick ... ..       | 24/-      | 15/-   | —                 | —         | —         | —        | Rubinat ... ..                | 15/-      | 8/-    | 25                | 30/-      | 100       | 60/-     |
| Franz-Josef ... ..    | 12/-      | 10/-   | 25                | 22/6      | 50        | 35/-     | St. Galmier ... ..            | 6/-       | 4/6    | 50                | 22/-      | 100       | 34/-     |
| Friedrichshall ... .. | 13/-      | 10/-   | 25                | 25/-      | 50        | 40/-     | St. Marco ... ..              | 11/-      | 6/8    | 50                | 42/-      | 100       | 52/-     |
| Gerolstein ... ..     | 5/-       | 4/-    | 50                | 20/-      | 50        | 15/-     | Salutaris (not carriage paid) | 4/-       | 2/6    | —                 | —         | —         | —        |
| <b>HUNYADI-JÁNOS</b>  | 12/-      | 10/-   | 25                | 22/6      | 50        | 35/-     | Selters ... ..                | 6/-       | 4/6    | 50                | 24/-      | 50        | 17/-     |
| Johannis ... ..       | 5/6       | 4/-    | 50                | 20/-      | 100       | 32/-     | Vals ... ..                   | 8/6       | —      | 50                | 33/-      | —         | —        |
| Kronenquelle ... ..   | 9/-       | —      | 50                | 36/-      | —         | —        | <b>VICHY</b> (State Springs), | —         | —      | —                 | —         | —         | —        |
| Levico ... ..         | —         | 15/-   | —                 | —         | —         | —        | “Celestins,” “Hôpital,”       | 8/6       | 6/6    | 50                | 33/-      | 50        | 25/-     |
| Oberbrunnen ... ..    | 8/6       | —      | 50                | 35/-      | —         | —        | “Grande-Grille,” &c. ...      | —         | —      | —                 | —         | —         | —        |

DISCOUNT ALLOWED ON LONDON ORDERS. DETAILED PRICE LIST &amp; PAMPHLET ON APPLICATION.

Secure this Agency! Look at the terms!

**HOLLOWAY'S**

Sale or Return.

**33 $\frac{1}{3}$ % discount.****COCA WINE**

Guaranteed made from the Leaf.

Carriage Paid.

Cases Free.

**THE BEST.** Write for Particulars,

F. A. HOLLOWAY, A.P.S., TORQUAY.

N.B.—We guarantee to create demand at once.

**ADAMS'S EXTRACT**

FOR

**HERB BEER**

QUALITY AND FLAVOUR UNIQUE.

Certificate of Analysis from GRANVILLE H.  
SHARPE, F.C.S.

I have submitted to a very careful analysis a sample of ADAMS'S EXTRACT OF HERBS and find it be a highly concentrated preparation composed of judiciously selected herbs in combination with hops, and in the manufacture of which much skill and scientific judgment have been exercised.

It contains in an admirable and attractive form valuable tonic, stomachic, and dietetic properties, and there is an entire absence of undesirable admixture in any form.

It should prove a valuable acquisition in the world of non-intoxicating drinks, as when used according to directions it produces a beverage of high merit, refreshing and palatable to the taste and wholesome and invigorating to the system.

PROPRIETOR—

**B. ADAMS, MANSFIELD**

When applying for quotations please state approximate requirements in Bulk or Packed.



# RIDGE'S PATENT COOKED FOOD

SATISFYING.  
STRENGTHENING.  
SOOTHING FOR INFANTS.  
ACREEABLE.  
DIGESTIBLE.  
NOURISHING.

**DR. RIDGE'S  
PATENT COOKED FOOD**  
Is certified to contain all the essentials of a Pure Dietary necessary to secure a healthy and natural development of bone and muscle, a vital necessity to growing Infants and a comfort to all.

**DR. RIDGE'S FOOD** is the Oldest, Best, Most Widely-known, and has the **LARGEST SALE** in the World.

**SOLD  
EVERYWHERE.**

The public are cautioned against all imitations.



"Makes them strong to push along."

Pamphlets and Showcards Post Free on application to  
**RIDGE'S FOOD MILLS, LONDON, N.**

**FOR INFANTS & INVALIDS  
KYDDE'S FOOD**  
(MALTERED)  
**IS UNEQUALLED.**

Price 1/6 per Tin.

To be obtained from all the principal Patent Medicine Houses. Wholesale Prices upon application.

**KYDDE & CO.**  
10 SOUTHWARK BRIDGE ROAD, LONDON, S.E.

**STOKES'**  
**CASH TILL.**

Reduced Price **47/6** Latest Improvements.

(Sent on Trial seven days, on receipt of two references.)

Particulars and Testimonials on application.

**Q. R. STOKES & CO., LTD.**  
**HANLEY, STAFFS.**

## MAKE YOUR OWN MINERAL WATERS.

See Pages 442 and 443, *Chemist and Druggist* Diary, 1897.

A great many Chemists, Hospitals, &c., are using this simple and most effective Plant, and producing splendid Aërated Waters.

SUPPLIED ONLY BY

**THE VOLCANIC AERATION CO., 203 Great College Street, LONDON, N.W.**  
J. G. CHAPMAN, Proprietor.

**A. MILLAR & CO., LTD., DUBLIN.**

**PURE ORANGE WINE**

(VINUM AURANTII, B.P.), prepared in strict accordance with the Formula of the British Pharmacopoeia.

## DIASTASED FARINA FOOD

A New and Very Superior Food for Infants, Delicate Children, and Invalids. The great desideratum of a Food for Infants, Delicate Children, and Invalids is easiness of digestion, simplicity of preparation, and power of restoring strength; for these purposes it is superior to any other Food.

RETAIL PRICE 1/6 PER TIN.

A totally unsolicited Report of a Medical Man's experience with the Diastased Farina Food.

YORKSHIRE, December 2 1896.

DEAR SIR,—Since August I have been trying your "Food," and I am well satisfied with the result. Milk is the most perfect food, but when you have to reckon with a low type of stomach, or a poor class of milk, assimilation is imperfect, dyspepsia frequent. The addition of your "Food" prevents the latter and hurries the former. I have had admirable results in the treatment of Phthisis, Chlorosis, Gastric Ulcer, Atonic Dyspepsia, and Neurasthenia.

Manufacturers:—**E. BEANES & CO., Hackney Wick, LONDON, E.**





# MASON'S EXTRACT of HERBS

Makes the  
Finest Beverage  
in the World.



FOR MAKING  
**NON-INTOXICATING  
BEER**  
IMITATED, BUT  
NOT EQUALLED.

Good! it's Mason's.

One Table-spoonful of Mason's  
Extract of Herbs makes One  
Gallon of splendid Beer.

## 4 GOLD MEDALS

Do not be persuaded to buy any other kind, as the market is now flooded with vile rubbish, most of which contain no Herbs at all, and will not produce the same result. We guarantee ours to be  
COMPOSED OF HERBS.

**HANDBILLS, SHOWCARDS, &c., ON RECEIPT OF BUSINESS CARD.**

SOLE MAKERS—

## NEWBALL & MASON

Telegrams—  
"EXTRACT NOTTINGHAM."

### NOTTINGHAM.

[ Telephone No. 1532.

**AGENTS WANTED.**

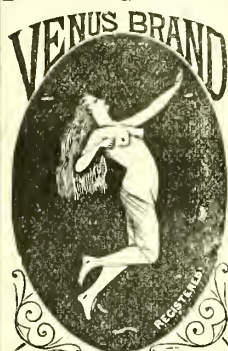


May be had from the Leading Manufacturers and Wholesale Houses.

## ADVERTISING BALLOON CO.

ALTRINCHAM, ENGLAND.

EXAMINED & GUARANTEED



SEAMLESS  
8 Ply, XXX Quality  
(English Make.)

### MAKERS OF ALL KINDS OF RUBBER SURGICAL APPLIANCES.

SOLE MAKERS OF  
VENUS BRAND  
RUBBER GOODS,  
Shown on Envelope at side.

### By Royal Letters Patent. NEW RATTLE DRUM SELF-CLOSING BALLOON.

These Balloons are fitted with a small automatic tube, which by a simple mechanical arrangement will keep the Balloon inflated for hours. Require no tying. If inflated before leaving the establishment, the purchaser is compelled to carry it expanded through the streets, thus making a splendid advertisement, as well as an amusing Rattle Drum for the children.

The New Balloons can be had in assorted coloured Suns, Moons, and Stars on one side, and customer's advertisement on the other, up to 60 letters; or assorted plain colours, with advertisement one side and trade figures the other, such as Carboys, Pestle and Mortar, Hats, Caps, Boots and Shoes, Boys' Suits, &c., &c., to suit any trade. Improved long nozzle Balloons from 12/6 per gross.

**DYING DEVIL, with Nose and Ears.**—Dies when he squeaks, and squeaks when he dies. 12/6 to 16/- gross.

**ALABAMA COON, with Feathers,** 12/6 to 14/6 gross.

**SQUEAKERS** from 3/- gross. All the above with advertisements.

Sample Rooms—Newton St., PICCADILLY, MANCHESTER.  
Samples sent on receipt of Postal Order 1s. to 5s.

Indents only through British Merchants. Special terms to Shippers and the Wholesale.

# Sen-Sen

(TRADE MARK.)

FROM EVERY WHOLESALE HOUSE IN THE  
KINGDOM AT

6/- { Per Box of—  
40 3d. Pkts., and  
40 Free Samples.

.....

GENTS,—Please send per parcel post another case of Sen-Sen as before. The article has given the most complete satisfaction, infinitely more than any Cachous I have stocked during the last thirty years.

Yours truly,

(Signed) J. R. PHILPOTTS,  
Newnham-on-Severn.

## BEST SELLING CACHOU IN THE WORLD.

.....

## SEN=SEN COMPANY,

9 Farringdon Avenue, LONDON, E.C.

# GUEST & CO.

## CITY WORKS, CARRUTHERS STREET, MANCHESTER.

### MAKERS OF MEDICATED LOZENGES AND JUJUBES.

B.P., T.H. Ph., and General Proprietary Lozenges. Finest Gum Jujubes and Pastilles—Glycerine and Black Currant, &c. Granular and all other Effervescing Preparations. Boiled Sugars, Floral Tablets.

SEND FOR LIST, SAMPLES, AND COMPARE.

TELEPHONE 235. TELEGRAMS "GUESTO."



## UNSURPASSED. WORLD FAMED

### NATURAL RENNET POWDER.

### FLUID EXTRACT OF RENNET.

### CHEESE AND BUTTER COLOURINGS.

SOLE AGENTS FOR GREAT BRITAIN—

## MÜLLER & CO.,

late H. SEEGER,  
21 Mincing Lane, LONDON, E.C.



# SPECIAL NEW LINE IN GIBSON'S CELEBRATED SWEETS.

ONE POUND, HALF-POUND, AND  
ENAMELLED TINS,

QUARTER-POUND BEAUTIFULLY  
WITH PATENT LIDS.

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Cream Toffee.

Lemon Drops.

Barley Sugar.

Malt Tablets.

Pear Drops.

Mint Rock.

Lime Fruit.

Pine Apple.

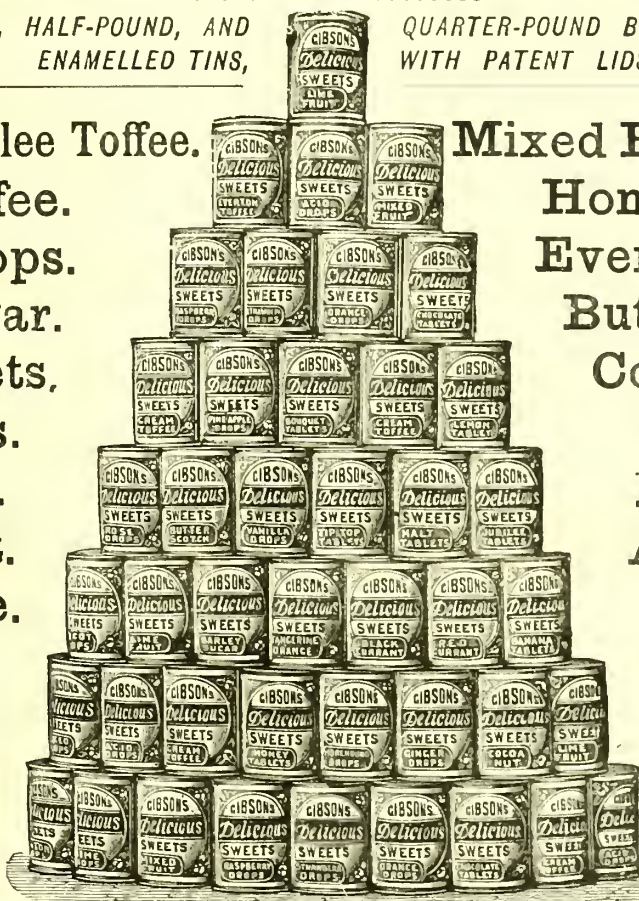
Raspberry.

Damson.

Ginger.

Musk.

&c., &c.



Mixed Fruit Drops.

Honey Tablets.

Everton Toffee.

Butter Scotch.

Cough Drops.

Strawberry.

Horehound.

Acid Drops.

Greengage.

Chocolate.

Orange.

Cherry.

Rose.

&c., &c.

For many years these goods have been shipped abroad only in bottles; now the firm have decided to pack them in 1-lb.,  $\frac{1}{2}$ -lb., and  $\frac{1}{4}$ -lb. tins at 7/6, 4/6, and 2/9 per dozen respectively to the Retail trade, special terms being made with Wholesale buyers. Messrs. GIBSON & SONS believe by offering their **WORLD-RENOWNED BOILED SUGARS** in portable, unbreakable packages, beautifully enamelled, they will not only enormously increase their own business, but supply a long-felt want to buyers abroad, and remove at once the only obstacle standing in the way of everybody being able to stock these goods without the slightest fear of sustaining any personal loss.

Indents may be filled and sent direct to the Works, MANCHESTER, to the Firm's  
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# SALVO PETROLIA

**A SUPERIOR VASELINE.**

May be procured through all Chemists and Druggists, and is  
Manufactured solely by the Proprietors,

**THE DEE OIL COMPANY,**  
LIMITED,

Works: SALTNEY, CHESTER.

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Sanctioned by the Board of Trade Marine Department, and included in  
their instructions issued May, 1894, to superintendents of Mercantile  
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and RED (Veterinary).

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## OLEUM DEELINÆ

(REGISTERED).

GENERALLY ADOPTED BY THE MEDICAL PROFESSION FOR

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and all Skin Diseases.

Packed in Cases—One dozen 1s. Bottles; One dozen 2s. Bottles. Flat  
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may be had upon application.

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CIGAR SHIPPERS,  
62 LEADENHALL STREET, LONDON, E.C.  
And at HAVANA.

DUTY PAID PRICE LIST (No. 32, to the TRADE ONLY)  
OF

## HAVANA CIGARS,

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Borneo, Java, Teneriffe, Mexican, Manila, British, Indian  
Cigars, Egyptian, Turkish, Russian, American Cigarettes,

At the VERY LOWEST PREVAILING MARKET PRICES,  
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so many other various trades have taken up Chemistry and  
Drugs. No other business blends so well with Chemists or  
Druggists as the Cigar business. Some of the leading firms  
have taken up our lines with the greatest success.

We shall be pleased to give beginners all necessary  
information.

There is no cutting in our articles, as these are only  
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communicate with us at once.

Telegrams—"VECTATIO." Telephone 11,547, Avenue.

# Profitable Extras for Chemists.

## TOBACCO, CIGARS, CIGARETTES.

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All Packet Tobaccos, Cigarettes, and other Tobacconists' Proprietary goods supplied at Manufacturers' own List Prices  
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LONDON, E.C.



TRADE MARK,  
30

**CARMICHAEL'S GENUINE  
AMERICAN**

## MANICURE PREPARATIONS

A FULL 6d. LINE of the original American Manicure preparations  
at 48/- per gross.

VIOLET AMULETS at 48/- per gross.

"LUXURIA" Bath Tablets, 14/- per dozen boxes (of 12 each). Softens  
and perfumes the water, exhilarates the circulation, and renders the bath  
refreshing.

CACHOU DE LUXE, 18/- gross of 3d. packets. Perfumes the breath  
does not upset digestion.

These last two appear on cardboard, as seen in black and white sketch in  
Summer Issue, forming a superb and attractive showcard in 16 colours.  
Given away with a purchase of a dozen boxes of Bath Tablets or 1/2 gross  
Cachou de Luxe.

FROM ALL WHOLESALE AND EXPORTING HOUSES:



# On a rock

COMPETITION

## EDME MALT EXTRACT

and

### COMBINATIONS.

NO CUTTING (MEMBERS OF THE P.T.A.)

THE LANCET says:—"This preparation proved to be a highly concentrated and active malt essence. It possesses a rich malty flavour, and acts POWERFULLY upon starch, CONVERTING IT RAPIDLY INTO MALTOSSE. It is, therefore, well adapted for use as an aid to the digestion of starchy foods, whilst furnishing also important food constituents."

THE BRITISH MEDICAL JOURNAL says:—"It is of pale amber colour and good consistency. When tested with gelatinised starch it converted FIVE TIMES ITS OWN WEIGHT IN FIVE MINUTES at a temperature of 100° F. This result shows that the Extract has a VERY HIGH DIASTASIC POWER, and it therefore would be extremely efficacious as a medicinal agent where the use of an aid to the digestion of amylaceous food is indicated."

THE PHARMACEUTICAL JOURNAL says:—"This preparation is one which is not as well known to the retail chemist as some that could be mentioned, but examination of it shows that it POSSESSES CLAIMS WHICH ENTITLE IT TO EXTENDED PATRONAGE. The result of the test proves the Extract to be of UNUSUALLY HIGH DIASTASIC VALUE, and it is equally satisfactory in other respects."

#### THE ENGLISH DIASTASIC MALT EXTRACT Co., Ltd.

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MANAGING DIRECTORS—J. E. J. JOHNSON, F.L.C., F.C.S.; EGERTON & FREE.

London Offices—5 NEW LONDON STREET, E.C.

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AND

HYPOPHOSPHITES

EDME  
MALT EXTRACT  
WITH

STERILIZED MILK

EDME  
MALT EXTRACT  
AND

COMBINATIONS  
generally according  
to the

British  
Pharmacopœia

EDME  
MALT EXTRACT  
AND OIL

EDME  
MALT EXTRACT  
AND

HYPOPHOSPHITES

EDME  
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STERILIZED MILK

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COMBINATIONS  
generally according  
to the

British  
Pharmacopœia

### DESCRIPTIVE LIST TO THE TRADE





## THE WHOLESALE PRICE.

RETAIL PRICE.

PER DOZEN.

|                                  |     |     |      |
|----------------------------------|-----|-----|------|
| 6d. Packets (Two Dozen in a box) | ... | ... | 5/-  |
| 9d. Tins (Two Dozen in a box)    | ... | ... | 7/6  |
| 1/6 Tins (One Dozen in a box)    | ... | ... | 15/- |

## DISCOUNTS.

5 per cent. Discount on Orders up to £5.

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Terms—Cash within 7 days.

Carriage Paid on Orders value £2 and upwards.

N.B.—The above Discounts are from 3¼ to 6¼ per cent. better than can be obtained from any other source, whilst the merits of DR. TIBBLES' VI-COCOA are far greater than any other similar preparation in the world.

## LIMIT OF CUTTING.

The Proprietors hereby give notice to the Trade that the limit of "cutting" prices of DR. TIBBLES' VI-COCOA has been fixed as under:—

6d. Packets to be sold at not less than 5½d.

9d. Tins       ,,       ,,       not less       ,,       8½d.

1/6 Tins       ,,       ,,       not less       ,,       1/4½

*Full Prices to be obtained wherever possible.*

## FURTHERMORE,

Any Chemist, Grocer, or Stores cutting below these prices will be refused supplies direct from ourselves. And in this connection it is important to note that in £5 lots and upwards no trader in the kingdom, "Wholesale or Retail," can obtain more than the 7½ per cent. discount we offer.

Furthermore, as we pay carriage on orders value £2 and upwards, it will **not** be possible to obtain the advantage of this concession, nor that of the exceptional discounts we offer, unless our ruling as to the "cutting" of price is complied with.

**Read the foregoing, send your order to**

**DR. TIBBLES' VI-Cocoa Ltd.,**

**60, 61, and 62 BUNHILL ROW, LONDON, E.C.**

*And obtain your fair share of the profits that are daily being made by our customers everywhere.*





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**Solution**

**of Cod-Liver Oil in Malt Extract**

Contains the oil in molecular association with Kepler Malt Extract, and so ensures its complete absorption. The benefit to be derived from cod-liver oil depends entirely on the proportion absorbed, and this accounts for the failures recorded where raw oil is administered. In the case of Kepler Solution the taste of the oil is so disguised that it can be taken by the most fastidious patients without nausea or other unpleasant effect. It is the most palatable and easily digested of any form of oil. Children take it readily. Supplied in two sizes at 20s. and 36s. per dozen.

BURROUGHS, WELLCOME & Co.,  
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The Trade is notified that "Vaseline" is an arbitrarily coined fancy word, and is registered as our Trade Mark, and can only be legally applied to goods manufactured by us.

**CHESEBROUGH MANUFACTURING CO.,** HOLBORN VIADUCT, **LONDON, E.C.**

*See page 103 of "THE CHEMIST AND DRUGGIST" WINTER ISSUE.*

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Directions for use in English, French, or Spanish, as required.

SOLD IN TINS BY CHEMISTS EVERYWHERE.

WHOLESALE OF

**F. B. BENGER & CO., LIM., MANCHESTER,**  
AND ALL WHOLESALE HOUSES AND SHIPPERS.

*The Times*:—"These are fine Wines to keep, as English buyers are beginning to discover."

## Burgoyne's Australian Wines

All Chemists holding a Wine Licence are invited to communicate with us for prices, particulars, &c.

**P. B. BURGOYNE & CO.**

5 Dowgate Hill,

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ESTABLISHED 1859.

Subscription: Fourpence a Week, Ten Shillings a Year.  
Summer and Winter Numbers, 1s. per Copy.

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## "FINAL APPLICATION."

THIS is a phrase heard often in our publishing-department at present. Next week's issue of THE CHEMIST AND DRUGGIST is to be the

## SUMMER NUMBER,

and it will be of such a character that the Publisher is compelled to shorten by a day the period during which advertisements for the issue will be received. He cannot accept orders for displayed advertisements in the Summer Number after Tuesday morning next. Those who have given orders, but have not supplied copy, should note this as well, as the "final application" applies to both. We do not like to refuse business, but we cannot delay the printing and distribution of the Summer Number by waiting for it. Moreover, this is not a matter which should take long to settle. The issue, like its predecessors, will bring orders to advertisers in it for months after its publication, and those who have any good thing to advertise

## SHOULD NOT MISS THE OPPORTUNITY.

The last is a hackneyed phrase, but the English language does not convey our meaning better, and the occasion is exceptional, because—

1. It only occurs twice a year.
2. The number will be unique in attraction and interest.
3. The circulation of it is unequalled, because we rely upon business actuality, and not numeric prodigality; e.g., our colonial offices have recently sent us revised lists of new business men, to whom we shall send this number, and our aim generally is to make every Summer Number sent out a real agent for the firms who advertise in it.

It will be well if those who have not yet told our Publisher the space they would like in the issue would do so by telephone or telegram now. As to

## SMALL ADVERTISEMENTS

—viz., those printed in the coloured Supplement, these we shall print on Thursday, and will, therefore, receive up to Thursday, as usual; but will those who send them please remember that the sooner we get these the sooner are we able to post the C. & D.?

Communications should be addressed—

| Telephone   | Telegram.            | Post.                                                           |
|-------------|----------------------|-----------------------------------------------------------------|
| Bank<br>852 | Chemicus,<br>London. | The Publisher,<br>C. & D.,<br>42 Cannon Street,<br>London, E.C. |

--according to the means employed.



THERE is more about the rinderpest on p. 111.

A CANADIAN P.A.T.A. has now been formed (p. 110).

Two bankruptcies are reported under Irish news (p. 108).

AN English pharmacist is needed at Dinard in Brittany (p. 109).

WE print the result of our students' prescription-competition on p. 124.

IT is proposed to continue the free admission of drugs into Norway (p. 110).

FIVE candidates have passed and nine failed in the Irish Licence examination (p. 108).

A CHEMIST'S ASSISTANT who fought in the Greek war has related his experience to us (p. 127).

M. PETIT has discussed the chemistry of holocaine before the Paris Society of Pharmacy (p. 109).

WE print on p. 112 the questions given this week at the examination for Pereira and other medals.

THE North Dublin Board of Guardians still decline to give their drug-contract to Thacker & Hoffe (p. 108).

A MORPETH chemist's apprentice has died from eating an excessive number of chloride of potash pellets (p. 106).

A LADY has been killed by burns occasioned by a petroleum hair-wash taking fire while it was being used on her (p. 107).

IN less than a minute on Wednesday the Pharmaceutical Council concluded its share of the making of the new by-laws (p. 112).

THE strangely low prices at which medicines are offered to Irish Poor-law Unions are again exhibited by a correspondent (p. 133).

SOME advance is being made with the preliminaries of the new French Codex. It has been decided not to include doses (p. 109).

FOURTEEN papers have been promised for the British Pharmaceutical Conference Glasgow meeting. The titles are given on p. 121.

MESSRS. J. & J. COLMAN, Norwich, have obtained an injunction against a Lincoln chemist who had sold some other blue as Colman's blue (p. 115).

MR. B. S. PROCTOR makes some interesting observations on liquor bismuthi, which show that the commercial liquor is unequal in quality (p. 118).

THE names of those who have passed the Minor and Major this month are given on p. 112. We specially refer to the Edinburgh Major in a note on p. 121.

A BIRMINGHAM firm of chemists have advertised locally that they had sold some Epsom salts which contained a deleterious ingredient, and they asked their customers to return the same (p. 105).

IN our concluding report of the Society of Chemical Industry annual meeting, some remarks by Dr. Schunck on bankrupt scientific societies are included, and part of a speech by Mr. Levinstein on English and German aniline dyes (p. 113).

THE PHARMACEUTICAL SOCIETY have secured a penalty of 5*l.* from a Leicester tradesman who "exhibited" the title chemist over his door by announcing himself as "from Butler & Son, chemists." A chemist at Lyndhurst has been fined 2*l.* for selling prussic acid to a gamekeeper without entering the sale (p. 114).

A NUMBER of chemists' businesses at Birmingham, Dudley, Walsall, and other neighbouring towns have been converted into a limited company under the style of Mazor (Limited), with 60,000*l.* capital. A Day's Metropolitan Drug Company, with 100,000*l.* capital, is created out of the shops formerly belonging to Day's Southern Drug Company in the Metropolitan district (p. 125).





Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

#### Is Castor Oil a Medicine?

This question was discussed by the Bootle Guardians on July 16. The Relief Committee had recommended that castor oil is a medicine which the medical officer should supply where necessary. A Guardian, however, contended that castor oil was on the same basis as brandy. Castor oil should be got through the relieving officer, the same as spirits. It was eventually decided that the Clerk should make inquiries.

#### The Chemist Thanked.

At an inquest held at Grimsby on July 16 on a child who had died from injuries received through the upsetting of a lamp, the jury and the Coroner expressed their high appreciation of the kind and skilful services rendered by Mr. Barker, chemist, to the burnt child.

#### Danger in the Salts.

Messrs. Hedges, chemists, Dale End, Birmingham, have been advertising in and writing to the local papers urgently requesting all purchasers of Epsom salts in 1-lb. packages from them on three days of last week not to take them, but to at once return them to be exchanged, as it had been found that a deleterious article had unknowingly been supplied. They stated that the salts in question were weighed by them direct from the bulk supplied by the manufacturers.

#### Obstruction.

At the Grimsby Police Court on July 13, Angus Sinclair Brown, chemist [so described, but not on the chemists' register], was summoned for causing an obstruction on the Sea Road, at Cleethorpes. A policeman said Brown was addressing a large crowd on the Sea Road, and distributing handbills. He ordered defendant away, as he was causing an obstruction, but he returned some time afterwards. Defendant said he was only talking to one lady: the crowd had been attracted by a conjuror on the sands. He did not return after the policeman told him to go away. The Magistrates fined him 1s. and 5s. costs, and refused time for the fine to be paid. Defendant said he would lay the matter before the Home Secretary.

#### Crieket.

Davy Hill's C.C. beat Allen's C.C. (Stafford Allen & Sons) on July 10 by 69 to 65. The match was won one minute before time.

Davy Hill's C.C. played Hewlett's eleven at Leytonstone on July 17, on a bad wicket. Result: D. H. C.C., 62; Hewlett's, 19.

A match was played on Saturday last, at Raynes Park between May & Baker's C.C. and Stevenson & Howell's C.C., which resulted in a victory for the latter by 55 runs. Mr. R. Howell batted well for the winners, carrying out his bat for 59. The scores were 51 and 106 respectively.

#### Risks of Chlorate-of-Potash Pellets.

An inquest was held at Morpeth on July 15 on the body of James Alfred Smith, aged 15, chemist's apprentice, who lived with his parents at Hood Street, Morpeth. Dr. F. W. Skrimshire said he was called on Monday to see the youth, and found him in bed. When asked if he had taken anything to disagree with him, he said he had taken chlorate-of-potash pellets on Sunday to clear his throat, as he was going to sing at the Wesleyan Chapel anniversary. He died about 11 A.M. on Wednesday from syncope, caused by the amount of

chlorate of potash taken. These pellets were sometimes used as a voice-lozenge, and were frequently so described. Deceased said he had taken about two-thirds of an ounce, sucking them one by one. The quantity would cause a fatal result by action on the heart and kidneys. Some people were susceptible to the action of the drug. It was to be regretted that there was no provision for warning purchasers of the danger of excessive doses of that and other preparations. The foreman of the jury said they concurred in the doctor's concluding remark. They found that death was caused by an excessive dose of chlorate of potash taken inadvertently.

#### Fires.

A fire broke out at Spratt's Patent Poplar factory on the night of July 14, but it was confined to detached carpenters' shops, and caused damage to raw material only. No interruption to business was occasioned.

#### Poisoned by Corn-eure.

At an inquest held at Stockport on July 14, respecting the death of Annie Jones, aged 25, deceased's lover, Hugh Bithell, stated that he gave her some vitriol for the cure of her corns. A portion of this she drank, with fatal effect.

#### Birmingham Chemists and the Health Authorities.

The health authorities of the Birmingham Corporation have within the past few days been obtaining samples from a large number of local chemists for purposes of analysis. Of course no objection can be taken to this; but some of the chemists complain that the prescriptions brought to them to make up are of a "catchy" character—that is to say, they are designed less with the object of preventing adulteration than of trapping the chemists. We are told that the following is one of the prescriptions sent out, though we think there must be some error:—

|                       |     |     |           |
|-----------------------|-----|-----|-----------|
| Pulv. scillæ ...      | ... | ... | gr. iv.   |
| Pulv. gum. ammon. ... | ... | ... | gr. x.    |
| Acid. benzoic. ...    | ... | ... | gr. ij.   |
| Bals. peru. ...       | ... | ... | gr. viij. |
| Pulv. opii ...        | ... | ... | gr. ij.   |

Ft. pil. I. om. nocte.

This was supplied as ordered. The following prescription when presented was not made up. The proprietor, suspecting who his visitor was, put him off pending the arrival of his son:—

|                    |     |     |        |
|--------------------|-----|-----|--------|
| Magnes. sulph. ... | ... | ... | ʒi.    |
| Magnes. carb. ...  | ... | ... | ʒss.   |
| Aque anethi ...    | ... | ... | ʒviij. |

One tablespoonful three times a day.

|                  |     |     |       |
|------------------|-----|-----|-------|
| Lini. camph. ... | ... | ... | ʒiij. |
|------------------|-----|-----|-------|

More utend. in dicto.

Why any chemist should object to make this up we cannot understand. The following are two other samples of prescriptions which have been ordered:—

|                       |     |     |       |
|-----------------------|-----|-----|-------|
| Sodii bromidi... ..   | ... | ... | 3 dr. |
| Aque destil. ... ..   | ... | ... | 8 oz. |
| Liniment. iodi ... .. | ... | ... | 2 oz. |

To be used as directed.

"Captain Squires" was the supposed name of the gentleman who was to take this mixture.

The other was—

|                     |     |     |       |
|---------------------|-----|-----|-------|
| Sodii bromidi... .. | ... | ... | 3 dr. |
| Aque destil. ... .. | ... | ... | 8 oz. |

M. Ft. mist.

Sig.: Cochleare mag. ter die sumend.

Mitte lin. iodidi (2 oz.). To be used as directed.

It is probable that nothing will be heard of the result of the analysis for about a month, and those who are not served with summonses will hear nothing further about the matter.

#### A Lapsed Wine-licence.

Mr. Stevens, solicitor, applied to the Guildford Magistrates on July 13, on behalf of Mr. H. Jeffries, chemist and druggist, in respect of an off wine-licence. He explained that for about twenty years Mr. Jeffries had carried on a chemist's business, and also a wine and spirit business. The Magis-



trates' certificate for the latter had been annually renewed without any question, but last year he gave up the wine and spirit business and sold his stock. Therefore he did not apply for the certificate at the annual Licensing Sessions. Now he found that as a chemist and druggist he had to sell certain medicated wines, for which he required a licence. On application to the supervisor he was informed that if a letter were sent to the Commissioners of Inland Revenue stating the facts of the case, coupled with a recommendation from the Magistrates, the Excise would, in all probability, grant the licence. The Magistrates were therefore now asked to sign the recommendation. They considered the application, but declined to accede to it.

#### Deficient Sal Volatile.

In his quarterly report to the Isle of Wight County Council, Mr. Otto Iehner, public analyst, states that he has analysed, among other articles, six samples of sal volatile. One sample was deficient in ammonia, but that, he explains, was due to evaporation owing to the sample being improperly corked, and no blame attached to the vendor.

#### L.C.C. Chemicals.

The Main Drainage Committee of the London County Council reported to the Council at their last meeting that a contract was entered into, in 1893, for a quantity of sulphuric acid, not exceeding 1,700 tons, at 37s. 6d. per ton, with Messrs. Steel & Co. As the use of this acid has now been discontinued for deodorisation purposes, only 230 tons have been used. The contractors now claim compensation for cancelling the balance of the contract, as they had to make a considerable outlay in carboys to meet the expected wants of the Council. The committee recommend the payment of 125*l.* to Messrs. Steel & Co. in settlement of their claim.

#### The Unlabelled Bottle.

The Leeds City Coroner (Mr. J. C. Malcolm) held an inquest on July 19 concerning the death of Mrs. Mary Ann Audsley, 55 years of age, the landlady of the Potter's Arms, Hunslet. She suffered from indigestion, and was in the habit of taking an infusion of gentian and other roots after her meals. After tea on Sunday she went to a cupboard for some of this mixture, but got hold of an unlabelled bottle containing carbolic acid, and drank some of the poison before discovering her mistake. Treatment proved ineffectual, the woman dying within an hour. The jury returned a verdict of death from misadventure.

#### Burned to Death by Carbolic Acid.

Marjorie Boswell, aged 13 months, daughter of a clerk, died at the Huddersfield Infirmary, on Monday last, from virus due to carbolic acid. On the previous Tuesday the mother left the child in the sitting-room for a few minutes, and on returning she smelt an odour of carbolic acid. One of the doors of a sideboard-cupboard was open, and the carbolic-acid bottle was lying on its side on one of the shelves, and without cork. Deceased was then sitting on the floor, close to the cupboard. Deceased had no doubt pulled the bottle over, and the cork had come out, and the acid was spilt over the deceased.

#### Trade Trips.

Messrs. A. H. Cox & Co.'s staff (the Brighton pill-makers) had their annual outing last Saturday, July 17. They went by train to Goring, a pretty village near Worthing, where cricket and other sports were resorted to. Dinner was served at 1 p.m., and afterwards the healths of Mr. Alderman Cox and of his two sons, Messrs. Arthur H. Cox, jun., and Edward Cox (who are now taking the more active part of the management) was proposed, and enthusiastically received. After a short impromptu smoking-concert, during which some capital songs were sung, the party dispersed till 5 o'clock tea, returning to Brighton at 8.

A party of Leicester chemists and ladies had a pleasant excursion to Mountsorrel on July 15. They first visited the quarries there, and afterwards inspected the new reservoir at Swithland, in both cases being shown over the works by the chief officials. Then they drove to Cropstone, where, at the Reservoir Hotel, tea was served. A hearty vote of thanks

was passed to Mr. Goodess for the trouble he had taken in arranging the trip. A sympathetic message was sent to Mr. Howard Lloyd, whose absence was regretted, on the bereavement he has lately suffered. The party afterwards visited the Cropstone engine-house and grounds. Leicester was reached soon after 10.

#### Advertising Ideas.

Dr. J. C. Ayer was once asked what advertising was profitable. He answered, "Years ago we use to think we knew all about it, but now, with larger expenditure and greater experience, we know very little about it. We accept general results."

Messrs. Tyers & Thirlby, Leicester, have compiled and issued on a handbill an alphabetical advocacy of their baking-powder, which "Always gives satisfaction, Beats all competitors, Cook's best friend," and so on.

The hot weather in Torquay has been relieved by Mr. Young's cool chemist's window in Fleet Street. It contained a miniature fountain and grotto, a basin in which gold-fish seemed happy, all surrounded with ferns and flowers, amid which cut-glass bottles of perfumes were to be seen by the diligent investigator.

Mr. Beecham's latest advertising idea is a Photo-folio. He has given the public wonderfully cheap reproductions of some of the masterpieces of literature and collections of popular music. The Photo-folio is as cheap and as attractive as its predecessors. Each volume contains twenty-four beautifully-produced views, and is sold for 1*l.*, and the books so far published cover most of the attractive spots throughout the United Kingdom. Chemists may sell them.

Messrs. Forshaw & Snow, Bradford, are publishing a pamphlet filled with duly-sworn affidavits made by people who have been cured by them of various diseases. They offer to give 10*l.* to a Bradford charity if it can be proved that anybody else has cured as many stomach-complaints within a similar radius and within the same length of time, and had them sworn before a commissioner. The qualifications of the firm are stated as follows:—

Mr. Thomas Garratt Forshaw is a member of the Pharmaceutical Society of Great Britain, he was for more than twenty-five years senior dispenser of medicine to the Bradford Infirmary, and has had more than half a century's experience of every branch of medicine and pharmacy. Mr. Charles Metcalfe Snow is a Licentiate of the Pharmaceutical Society (Exam.), an Associate of the Apothecaries' Society, London (Exam.), a graduate of the Westminster College of Chemistry and Pharmacy, and was formerly compounder of medicines at the British Hospital, Paris. Patients may therefore rely upon receiving skilful treatment by experienced and thoroughly qualified Government authorised chemists.

May we ask if this Mr. Forshaw is the same gentleman as the Mr. Forshaw billed to read a paper before the British Pharmaceutical Conference? And what is "an Associate of the Apothecaries' Society, London (Exam.)"?

#### The Fatal Hair-wash.

Mr. Troutbeck opened an inquiry at the Westminster Coroner's Court, on July 21, with reference to the death of Mrs. Fanny Isabel Samuelson, aged 30, wife of Mr. Francis Samuelson, of Breckenbrough Hall, Yorkshire, who died on Saturday at the residence of her father-in-law, Sir Bernhard Samuelson, at 56 Prince's Gate, from terrible injuries sustained through the explosion of a petroleum hair-wash. Emile Kopf, partner in the firm of Emile & Co., hairdressers, Conduit Street, W., said that on June 25, in the middle of the day, Mrs. Samuelson came to the shop to have her hair washed with a petroleum wash. Witness said it was not necessary, but upon Mrs. Samuelson's insisting he took her into the saloon and washed her hair with the wash. Suddenly a loud explosion occurred, and both Mrs. Samuelson and himself were set on fire. Witness, with the aid of some of the assistants in the shop, helped to put out the flames. Before he commenced to wash Mrs. Samuelson's hair he looked to see if any gas-stoves in the saloon were alight, and found them all out. A large number of well-known hairdressers used this particular wash, although he personally had always considered it somewhat dangerous. Emile Fush, partner with the last witness, also gave evidence. The Coroner called his attention to a label on the



bottle: "This must not be used in rooms where there is a fire or light." Witness knew the wash was inflammable. The Coroner: Do you know the nature of the preparation?—No; I buy it and retail it, selling it at 7s. 6d. a bottle. It was obtained from Mr. Masson, of Great Queen Street. He was certain that the stoves in the shop were all out when Mrs. Samuelson's hair was being washed. Many customers asked for the wash, which was generally supplied by West-end hairdressers. It was a preparation which obtained a good deal of notice in Paris some years ago. He stated that Mrs. Reginald Fitzwilliam recently had an accident with it at Monte Carlo. The inquiry was adjourned.



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#### Pharmaceutical-licence Examination.

The following have passed:—Messrs. G. A. Scott, O. W. Rowlett, W. G. Mitchell, C. T. Elmes, J. B. Bolgen, D. S. Jardin. Nine candidates have been rejected.

#### The Baking-powder Dispute.

In the case of Cummins v. Andrews & Co., in which the defendants are charged with an infringement of the Patents, Designs, and Trade-marks Act, 1883, by selling a baking-powder, made by the Royal Baking-powder Company, of New York, with the word "registered" on the label, implying, it was maintained, that the word "Royal" was a trade-mark registered in the United Kingdom, Mr. Swift, the Dublin Magistrate, gave his decision on July 19. The informants were Messrs. Wright, Crossley & Co., of Liverpool, the nominal complainant being one of their clerks and the real defendants were the New York company. It was proved that the trade-mark was not registered in the United Kingdom, although it was registered in the United States. His Worship held that he had no alternative but to convict the defendants. He imposed a fine of 2*l.*, and 5*l.* costs.

#### A Veterinary Chemist Charged with Murder.

At Ennis Petty Sessions on July 8 Mr. E. J. O'Carroll, veterinary chemist, was returned for trial at the Clare Assizes, on the charge of wilfully murdering his groom. The accused had occasion to reprimand the deceased, and the latter, losing his control, struck Mr. O'Carroll in the face with an iron stirrup. Both men grappled, and it was alleged that the prisoner kicked his assailant with fatal effect. An application to admit Mr. O'Carroll to bail was refused.

#### Variable Costs in Cork Union Medicines.

The Local Government Board has asked the Cork Guardians how it is that the expenditure for drugs and medicines for sub-districts 1 to 4, during the past year, is 50*l.* in excess of that of the sub-districts 5 to 9, although the number of persons relieved in the latter districts was 10,822 and in the former 4,659. Mr. McSweeney, the compounder for the cheaper five dispensaries, and Mr. Lee, the compounder for the costly four, have been requested to furnish their respective explanations to the Dispensary Committee.

#### A Good Understanding.

Dr. Foley, medical officer of the Kilrush Union, has reported to the Guardians that he has a patient in the infirmary, named Gallaher, whose foot is as large as the body of an ordinary-sized man. He asks that Gallaher may be sent to a Dublin hospital for examination. The man's toes, he adds, grow larger at times, and then come down again.

#### Personal.

Mr. Edward M. Hodgson, J.P., chemist and druggist, Dublin, was among the representatives deputed by the

Rathmines Commissioners to present in person at St. James's Palace the Jubilee address voted by the ratepayers to her Majesty. Mr. Hodgson was received by the Prince of Wales on Wednesday.

Mr. J. F. Meyler, L.P.S.I., Dublin, has been awarded first prize in Public Health and Forensic Medicine at the summer sessional examination of the Royal College of Surgeons in Ireland. The prize consists of a silver medal and 3*l.*

#### Good Food and Drugs in Antrim.

Messrs. John and J. F. W. Hodges, public analysts, have reported to the County Antrim Grand Jury that out of 132 articles examined by them under the Sale of Food and Drugs Act during the last three months only two samples of linseed-meal were found adulterated. They express satisfaction at the working of the Act.

#### The North Dublin Union Drug-contract.

The Local Government Board have written to the North Dublin Guardians in reference to the manner in which the medicine-contract had been dealt with (as reported last week). The L.G.B. consider that the proceedings of the Guardians were wholly irregular. They had received a letter from Messrs. Thacker & Hoffe, and it appeared from the facts submitted that the tender of that firm was the lowest and was accepted by the Guardians. The assertion subsequently made that the firm were not manufacturers, although it had nothing to say to the validity of the tender, was, it seemed, unfounded. The L.G.B. requested the Guardians to reconsider their action in deciding upon accepting at a higher price the tender of another drug-firm. The Guardians had power to do this on the request of the L.G.B. without the usual notice of motion, and the Board remarked that the Guardians would probably render themselves legally responsible if they declined to act upon the Board's advice. A letter was read from Messrs. Thacker & Hoffe pointing out that the assertion that they were not manufacturers was incorrect; they were one of the largest manufacturing firms in Dublin, and Sir Henry Cochrane was the chairman of the company. Mr. Laneham denied that Thacker & Hoffe's tender was the lower. He read a number of items in which Leslie & Co.'s prices were lower than those of Thacker & Hoffe. These items, he said, were for drugs and medicines mostly in use. Ultimately the Guardians agreed by 11 votes to 5 to give the contract to Messrs. Leslie.

A meeting of ratepayers was held last week at which a resolution criticising the decision of the Guardians and calling upon the Local Government Board to intervene was passed.

#### Bankruptcy Notices.

The bankruptcy is announced in the *Dublin Gazette* of Henry Walker, druggist and oil-merchant, of 33 Arran Quay, Dublin. Mr. Walker, who traded as McCarthy & Son, was adjudged bankrupt on July 6.

The Court of Bankruptcy in Ireland gives notice that the public examination of Thomas Hickie, apothecary and pharmacist, 12 Parliament Street, Dublin, is appointed for July 30. Mr. Hickie's medical hall was sold last week by public auction.



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#### Chemist Assaulted and Charged with the Costs.

At Penarth Police Court on July 14, George W. Raynes, chemist, of Cogan, summoned John Griffiths, postmaster of Cogan, for assault. When the case was called, however, Mr. Raynes did not appear. Mr. Belcher, solicitor, who appeared



for the defence, said Mr. Griffiths turned the complainant out of his shop for improper conduct. The Bench ordered the absent complainant to pay the costs, amounting to 21s.

#### Chemist's Daughter and the Highwayman.

Miss Hughes, daughter of a chemist at Rhuddlan, Flintshire, was riding on a bicycle near Caerwys, Flintshire, when a highwayman on horseback stopped her and robbed her of a diamond ring and a gold bracelet. This occurred in the afternoon. Miss Hughes was struck and injured in the face in the struggle. The assailant has not yet been arrested.

## French News.

(From our Paris Correspondent.)

**A SECOND CHRIS-CARNOT WEDDING.**—Last Thursday, M. François Carnot, third son of the late President of the Republic, was married to Mlle. Valentine Chiris, daughter of M. Antoine Chiris, who is member of the French Senate and a leading manufacturer of essential oils, of Grasse. The ceremony took place at the fashionable Saint Pierre de Chaillot Church, Paris. Only members of the two families were present, the function being strictly private. As already mentioned in the *C. & D.*, an elder brother of the bridegroom also married a Mlle. Chiris some time ago.

**A PASTEUR MEDALLION.**—At the end of 1894, the Paris Municipal Council decided to place a suitable indication on the exterior wall of the Superior Normal School, rue d'Ulm, Paris, against that part of the building which, for a long time, was Pasteur's laboratory. A marble plaque and a medallion of the great chemist was the form decided on. At the time the plaque alone was put up. It is of black marble, and bears in golden letters the inscription "Ici fut le laboratoire de Pasteur" and underneath follow the names of his six leading discoveries with their dates. The medallion was placed a day or two ago. It is in bronze on a gilt background, and a frame is formed by a wreath of oak leaves in rose-coloured marble. The medallion is the work of M. Auguste Patey.

**AN OPENING FOR AN ENGLISH PHARMACIST.**—I was speaking to a friend a few days ago who has recently returned from a short stay at Dinard, the fashionable Brittany seaside resort. He expressed some surprise to me that no English pharmacist had thought it worth while to commence business in that place, as not only is there a large resident English and American colony in Dinard itself, but also in the surrounding places such as St. Servan, Malo, Paramé, and further off, at Dinan. During the summer the number of visitors is, of course, greatly augmented. There are two English clubs, besides a lawn tennis and a golf club, and an English church. The coming chemist must of course hold a French diploma. Perhaps the opening may commend itself to one of our Jersey or Guernsey friends.

**THE PHARMACEUTICAL "STAGE,"** or apprenticeship in a pharmacy, for prospective members of the profession here, which question was raised at the meeting of the General Association of French Pharmacists, held in Paris last May, is still discussed with a good deal of earnestness. The point is whether the three years of practical experience in a pharmacy, which is now obligatory as an introductory step, shall remain as it is, or whether it shall follow the course of studies at a school of pharmacy. Naturally, it would be an excellent thing for a young pharmacien to start his business-career with his full baggage of scientific knowledge; but, after all, pharmacy must always remain more or less a business, and too much science to commence with might not prove an unmitigated good under the circumstances. Besides this, it would take pharmacists years to accustom themselves to the new state of things if they were to be suddenly deprived of their apprentices, in addition to which their expenses would undoubtedly be increased, as the student would expect his diploma to have a marketable value.

**THE CODEx COMMITTEE.**—At the first meeting of the committee nominated to revise the French Codex, held at

the French Ministry of Public Instruction, with M. Laroche as chairman, it was decided to address a circular to the various Societies of Pharmacy, Schools of Pharmacy, and Veterinary Schools of France, asking for opinions as to the preparation of it: it is thought advisable to suppress, to introduce, or to modify. All replies will be considered that are sent in before October 1 next. The system to be followed in preparing the new work will be to give (1) The French scientific name of each product; (2) The vulgar denomination, which will be indicated in its alphabetical order with a reference to the former; (3) The Latin name, with foreign synonyms, as far as is possible. As regards chemical products, the mode of preparation will only be given in special cases, but the indications of analysis will be developed as far as possible. Neither maximum nor usual doses of active ingredients will be indicated, and the question as to whether the products which the pharmacist is obliged to keep in stock shall be indicated by an asterisk, will be decided by the special committee having charge of administrative and legal questions, who will also decide the lists of dangerous substances to be kept out of reach of the public. The committee is to be divided into six sub-committees, as follows:—Materia medica, chemical products, galenical pharmacy, physiological preparations, veterinary medicaments, administrative and legal questions.

**PARIS SOCIETY OF PHARMACY.**—At this month's meeting M. Petit mentioned that the Syndicate of Pharmacists for Paris and the Seine had proposed that an International Congress of Pharmacy should be held in this city in 1900, while the next International Exhibition is open. M. Petit asked for the support of the Society in the matter, which was given unanimously. MM. Berlicz, Bourgeois, and Collin are to represent Paris pharmacy at the twelfth International Congress of Medicine at Moscow; while MM. Crinon, Patein, Petit, and Viron will be the delegates at the International Congress of Pharmacy next month at Brussels. Eight members have been designated to examine various questions on which the Committee of the new Codex have asked the opinion of the Society. M. Planchon read an interesting paper, which formed the completion of former communications, regarding the history of the instruction of chemistry at the old Jardin des Apothecaries of Paris. He also showed a series of manuscripts containing the original lectures on chemistry by Ronelle, which had belonged to the late Professor Bourgoin. Amongst the scientific communications M. Petit mentioned that it had been lately proposed to replace cocaine by a product designated under the name of holocaine, which results from a combination by dehydration of phenacetin and phenetidin. As was easy to foresee, he added, the same reaction gave rise to similar compounds, in which the acetic acid of phenacetin is replaced by butyric, lactic, succinic, and citric acids, &c. The compound formed with butyric acid gives an emerald substance more soluble than holocaine, and with apparently superior anæsthetic qualities. He had found that about  $\frac{1}{2}$  centigramme placed on his tongue caused complete anæsthesia of the tongue and pharynx for half an hour or more.

## Colonial and Foreign News.

**THE PERFUMERY-TRADE OF NICE.**—The manufacture of perfumery goods in Nice is on the increase. In 1896 1,427 cwt., worth 10,684*l.*, was exported; the year before 1,120 cwt., worth 8,492*l.*

**MEDICINES FOR PANAMA.**—In 1896, 5,446*l.* worth of medicines, chemicals, drugs, &c., were imported into Panama from Britain, 4,796*l.* from France, 6,912*l.* from the United States, and 891*l.* from Germany.

**"DISLOYAL COMPETITION" IN THE OLIVE-OIL TRADE.**—Genuine Nice olive oil is one of the best grades of olive oil in existence, but its reputation has been much injured lately by the practice of certain merchants in other parts of the South of France of establishing "fictitious" firms at Nice with an address at which letters and orders are received, but from which inferior French or Bari oil is shipped.

**A CANADIAN TRAVELLER.**—Mr. Warren, representing the Davis & Lawrence Company (Limited), of Montreal, recently arrived in Capetown from India on a business trip. Mr.



Warren is returning to India shortly, but hopes to revisit Cape Colony before the end of the year.

**ONE-MAN EXAMINATION.**—The Pharmaceutical Society of Western Australia have appointed Dr. J. J. Murtagh as Preliminary examiner for the Coolgardie district. He is to conduct the examination, to adjudicate on the results, and to grant certificates of competency.

**PARAGUAYAN OIL OF PETITGRAIN.**—There has lately been an increase in the shipments of petitgrain oil from Paraguay. The oil is exported chiefly to France. The principal seat of the industry in Paraguay is at Yaguaron, a village about twelve miles from the railway.

**AMERICAN ALCOHOL IN JAPAN.**—Alcohol is now being shipped from the United States to Japan in competition with German spirit, which has hitherto held the monopoly there, and, with the advantage of an export bounty, has been laid down at rates that could not be met by the makers of American-corn spirits. Recently, however, the Americans have obtained reduced freights, making it possible to ship alcohol to Yokohama from Peoria, in Illinois, at a profit. Thus far three carloads have been forwarded.

**CANADIAN P.A.T.A.**—A meeting for the formation of a Proprietary Articles Trade Association for Canada was held in Toronto on June 14, when the following office-bearers were elected:—President, Mr. T. Millburn, Toronto; Vice-President, Mr. J. A. McKee, Toronto; Secretary-Treasurer, Mr. L. S. Levee, Toronto; Board of Control: Messrs. J. McKinnon (Northrop & Lyman); Brayley, jun. (Messrs. Brayley, Sons & Co.); R. S. Gibson, D. Dinsmore, and W. J. Edmanson (Edmanson & Bates). The meeting discussed one plan for regulating prices, but decided against it, the English P.A.T.A. scheme being more likely to be successful.

**ARMOUR'S PEPSIN-FACTORY BURNED.**—The *Practical Druggist* reports the destruction of Armour & Co.'s new pepsin-factory at Chicago by fire. A terrific explosion was heard in the factory, and almost before the alarm could be sounded the big six-storey building was in flames. Every available engine in the city was sent to the fire, which is in the centre of the stock-yards district, and the fire was checked after it had completely destroyed the factory. The building was only completed in May, and the machinery was moved into it ten days before the fire. The explosion which started the fire was in the chemical store-room. The damage done is about \$75,000.

**A KIND-HEARTED MINISTER.**—A young Hungarian pharmacist was very anxious to obtain the Ministerial "concession," without which, though fully qualified, he could not open a shop. He applied in vain to the authorities, and at length wrote a letter to the Minister of the Interior, representing himself as anxious to get married, but unable to do so until he had obtained the pharmacy-concession, and begging an audience. This was granted. The pharmacist appeared along with his *fiancée*, whose beauty, coupled with the moving story of the young chemist, touched the Minister so much that he there and then signed the concession. With profuse thanks the happy couple departed and went their several ways. The lady was the wife of a brother pharmacist, who had consented to play the part of *fiancée* to help her husband's friend, and for that occasion only.

**MIGRAININ A "SECRET REMEDY."**—The dye-works at Höchst, in Germany, put an advertisement of migrainin in a local journal at Mulhouse, Alsace, whereupon the manager of the factory was summoned before the local Bench, and fined 30s., for offering for sale a "secret remedy," the offence being that migrainin is made up of caffeine, antipyrin, and citric acid, and that these ingredients were not specified in the advertisement. The dye-works appealed against the conviction, and have had the satisfaction to see the pedantic verdict of the Mulhouse Bench set aside on appeal, the higher Court taking the common-sense view that migrainin is a remedy well known to medical men and pharmacists, and that it was absurd to describe as a "secret remedy" every preparation of which the composition was not known to all the world.

**THE GERMAN CHEMICAL-TRADE.**—The chemical-works "Elektron," at Frankfort-on-the-Main, report a satisfactory business-year for 1896. There has not been any change in the cost of raw materials used by the factory, while the

German demand for electrolytic chloride of lime and for other goods of the firm's manufacture, such as caustic soda and soda ash, shows a rapid increase.—The profit of the North German Chemical-works, at Harburg, for 1896-97 amount to 50,639m., against 88,958m. in 1895-96. The company has a capital of 640,000m. in ordinary shares, 240,000m. in debentures, and 70,000m. in preference shares.—A factory has been established at Sulzbach, Upper Palatinate, Bavaria, for the manufacture of chemical and pharmaceutical preparations. The style of the works is "Chemische Fabrik in Sulzbach."

**INDIAN MEDICAL ETIQUETTE.**—Even in India, says the *Madras Times*, where what we might call the "small doctor"—the *chota doctor-sahib*, as the native of Upper India calls the practising apothecary—abounds, there is very little actual medical advertising. A "doctor's" name over his own door, or over the door of a dispensary, may in Indian cities be writ larger than the characters engraved on the brass plates of Harley Street; but it is not often that one sees announcements posted about the street in India that Dr. So-and-so will give "Advice and medicine for one rupee." The native physician in Madras is as strict a non-advertiser as any other, and even in the Calcutta newspapers, where chemists' advertisements of pills and potions often run to several columns, it is only a few of the lower-class native doctors that lay themselves out for patients by advertisement. The business of engaging a medical man, either European or native, at a salary to give advice gratis, or for a small fee to customers, is common, however, with the best chemists in India, and, in view of the board that is usually set outside announcing the fact, it may be taken as sometimes going somewhat dangerously near to the sin of advertisement.

**THE COST OF DRUGS IN NORWAY.**—A Committee of the Norwegian Parliament has been considering the advisability of putting a duty upon medicines imported into the country. Previous to 1869 all pharmaceutical goods paid a duty of 10 per cent. *ad valorem*. In that year all duties were abolished, but afterwards articles containing alcohol were made subject to a duty equaling the Norwegian Excise-tax of the spirit they contained. The present Committee has approached the question from the point of view of giving the greatest possible measure of protection to the home-culture of medicinal plants and the manufacture of galenicals in Norway. The evidence supplied to the Committee has led them to report to Parliament in favour of the continuance of the duty-free admission of drugs until the cultivation of medicinal plants in Norway shall have made further progress, and until the official maximum tariff for the retail sale of drugs (which all pharmacists are bound to observe) shall have been altered. For it is found that if a duty were placed upon foreign medicaments the pharmacists would be able to charge double that duty to the public, inasmuch as the official tariff is calculated by taking the purchase-price of the goods, *plus* 25 per cent. for freight and charges, and doubling the amount.

**FIRE AT THE FARBENFABRIKEN IN ELBERFELD.**—A serious fire occurred at Friedrich Payer's colour-works, at Elberfeld, on July 6. It commenced in the southern portion of the works, where the export store-rooms are situated. In this department nearly 400 tons of aniline dyes and other goods, ready for export to Japan, China, and the Far East, were completely destroyed. It is reported that the fire was caused through a few drops of molten lead falling into a cask of goods which was being soldered for shipment, and coming into contact with about 1 cwt. of a highly inflammable dye. The case was at once ablaze, and communicated the fire to the neighbouring packages so quickly that the hands in the building had to run for their lives. Within a few minutes the whole building was a furnace, in which a succession of explosions was heard. Dye-stuffs to the value of 1,500,000m. have been destroyed, with several buildings and a quantity of expensive plant. Moreover, great quantities of colouring-matter were carried away by the wind and precipitated all over the town and its neighbourhood by a heavy rainfall, causing great damage to clothing and to the washing which had been put out to dry. The firm, in a communication sent by them to the Press, ascribe the spreading of the fire to the want of water in the hydrants of the municipal water-supply. They say that although the goods were destroyed the steam-engines and mixing-machines in the



basement were not injured; that they roughly estimate the damage at from 750,000m. to 1,000,000m.; that there will be no interruption in the work of the factory; and that the reserve stocks are ample to fill all orders on hand.

**RINDERPEST IN SOUTH AFRICA.**—It is reported from Cape Town that satisfactory experiments have been made with the new method of inoculation discovered by Dr. Edington. In connection with this announcement we may mention that Dr. Edington's paper, recently read to the Royal Society, contains a statement of the results which he had obtained before Dr. Koch's arrival in South Africa. The facts contained in the paper are that the blood of animals infected with rinderpest, and the nasal mucus, produce the typical disease. If 1 part of citrate of potash is added to 2 or 3 parts of blood, the virulence of the latter is maintained for six days, after which it grows weak, and is inert in nine days; but the mucus loses its virulence in a few hours. A condition of marked swelling of the lymphatic glands is one of, if not indeed the most evident pathognomic feature of the disease. The contagium exists as a primary infection in the lymphatic glands. A very mild attack of rinderpest, such as is produced by injection of blood of greatly-decreased virulence, does not convey absolute immunity, this latter being produced in proportion to the severity of the attack through which the animal had passed primarily. An animal seemingly affected may have a relapse of the disease, which may go on to fatal issue or be mild in type, leading to recovery. Animals in the latter case always acquire immunity of a high degree. The paper, which was a preliminary one, contained nothing in regard to remedies.

## Business Changes.

*Notices of changes in the retail trade, and opening of new businesses, are inserted in this section, free of charge, if properly authenticated.*

**MR. A. FRAYN** has commenced business as a chemist and druggist at Stonehouse.

**MESSRS. H. GILBERTSON & SON (LIMITED)** have doubled their business accommodation by taking the house, No. 9 St. Andrew's Hill, E.C., adjoining their present premises.

**MR. T. W. FRANKLIN** has purchased the business of Messrs. Thompson & Co., of Kobe, Japan; but the business will continue to be carried on under the same title as heretofore.

**MR. J. WILCOCK** (Bagnall & Wilcock), New Street, Lancaster, has disposed of that business to Mr. William R. Wright, who was formerly an apprentice with Messrs. Carruthers & Bagnall.

**MR. C. A. BALDRY** having retired from the firm of Craig, Baldry & Co., general merchants and shippers, of 17 Coleman Street, the business will be carried on by Mr. J. T. Craig, under the style of J. T. Craig & Co.

**MR. H. A. VAN OVERZEE, JUN.**, cinchona-broker, of Amsterdam, has amalgamated his business with that of H. A. van Overzee, brokers and agents, hitherto carried on by himself in partnership with his brother, Mr. James van Overzee.

**MR. FRANK BAKER**, who was for seven years manager of the Lansdowne branch of Messrs. Gilbert & Hall's business at Bournemouth, has taken over the old-established business of Mr. James Chandler, of 7 Sidmouth Square, Devizes. Before leaving Bournemouth Mr. Baker was entertained at a farewell supper given by his friends in the trade, who presented him with a handsome case of silver-mounted pipes. The case bore a silver plate suitably inscribed, and best wishes for Mr. Baker's future were expressed.

**MESSRS. BENNETT, SONS & SHEARS (LIMITED)**, engineers and coppersmiths, 167 Kingsland Road, London, N.E., have secured the contract for the supply and erection of the pharmaceutical laboratory plant and pill-machinery for the new General Hospital in Birmingham. They are also supplying new laboratory plant to Messrs. Philip Harris & Co. (Limited), of Birmingham.

## Trade Notes.

**MESSRS. WYLEYS (LIMITED)**, of Coventry, have been appointed sole wholesale agents for the Birmingham Call-lymph Establishment, and they are open to appoint chemists as retail agents.

**MESSRS. EVANS, LESCHER & WEBB**, Bartholemew Close E.C., are now in a position to supply photographic apparatus and materials of all kinds, and have issued a catalogue, similar to that of the associate house in Liverpool, which will be supplied to anyone on application.

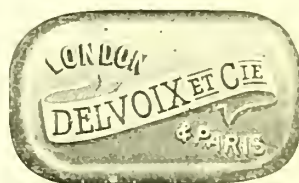
**MR. WILLIAM COLES**, of Watford, is advertising in our Supplement the photographs he took of the garden-party at Professor Atfield's house on July 10. The photographs were remarkably distinct. The picture we published with our report of the event last week was reduced from one of Mr. Coles's photographs. The original was three times that size.

IN the course of the boring-operations which have been going on for some time past at Messrs. Idris & Co.'s works, Kentish Town, a splendid supply of water has been met with at 410 feet. The water is very pure organically, and its hardness is only three degrees. Five thousand gallons per hour have now been pumped for some days, and no perceptible diminution of the level of the water has taken place. It is regarded as a most valuable discovery, and geological sections are in the course of preparation for exhibition to the public.

A DAINLY-PRINTED PAMPHLET, entitled "A Brief Outline of the Unique Character and Virtues of Vibrona," has been "printed for private circulation" by Messrs. Fletcher, Fletcher & Co., of Holloway, N. The story of the Lady Ana de Osorio, the lady who became the Countess of Chinchon, is dramatically told; and this leads up delicately to a comparison of cinchona with cocaine as medicinal constituents of a tonic wine, much to the advantage of the former. A large number of medical opinions in favour of Vibrona are appended.

**DELVOIX'S TOILET-SOAPS.**—Messrs. Ayrton & Saunders, 149 Duke Street, Liverpool, have just introduced a good line of milled soap, called "Delvoix's Parisian Buttermilk Milled Toilet-soap." The soap is made from a pure basis, in the natural colour, or nicely tinted with non-poisonous and non-irritating colours.

The perfumes are also delicate and lasting. The form of the cake is as exhibited on the margin; it is free from corners, and the lettering is in relief. The soap is put up in one-dozen boxes, which can be retailed at 2s. to 2s. 6d., and the firm are making a special offer in introducing the soap, of which particulars will be found in the last issue of the *C. & D.*



**TWO NEW HYPODERMIC TABLOIDS** are sent to us by Messrs. Burroughs, Wellcome & Co. The first is one of potassium permanganate, gr. ij., for making a sterile hypodermic injection of the salt in cases of morphine-poisoning. Since Dr. W. Moor, of New York, made known, three years ago, his experiments on the efficacy of the permanganate in morphine-poisoning, his observations have been corroborated by others, including Dr. A. P. Luff; and it has been observed that, when the poison has entered the circulation, hypodermic injection of the antidote is preferable to giving it *per os*. The second tabloid is for uterine hæmorrhage, especially. It contains ergotinine citrate gr.  $\frac{1}{16}$ , and strychnine sulphate gr.  $\frac{1}{32}$ . The tabloids dissolve quickly in water, and may be given either hypodermically or by the mouth. These hypodermic tabloids are put up in amber-glass tubes containing twelve, and the makers take special care in ensuring accuracy of dosage in them.

WHEN advertising perfumes you should get on the right scent.



## Pharmaceutical Society of Great Britain.

### COUNCIL MEETING.

THE second special Council meeting for the purpose of confirming the new by-laws which were read on July 7, and confirmed a first time on July 14, was held on Wednesday at noon. The confirmation was duly carried, on the motion of the PRESIDENT, seconded by the TREASURER. It was also agreed to hold a special general meeting of the members and associates in business of the Society on Wednesday, August 4, at 3 o'clock. The proceedings at the meeting lasted scarcely one minute, the motions being put and carried without comment.

### JULY EXAMINATIONS.

BOARD OF EXAMINERS FOR ENGLAND AND WALES.—We have received from the Registrar the following list of candidates who were granted certificates at the July meeting of the Board:—

#### MAJOR.

|                     |     |     |    |
|---------------------|-----|-----|----|
| Candidates examined | ... | ... | 17 |
| " failed            | ... | ... | 6  |
| " passed            | ... | ... | 11 |

Blyton, John Henry  
Fothergill, James  
Hamerton, James  
Hankinson, Herbert Stanley  
Hankinson, William  
Jones, Edward Rees

Metcalf, William Edward  
Roberts, Haworth  
Smith, Thomas William  
Wallis, James Samuel  
Widgery, Ernest

#### MINOR.

|                     |     |     |     |
|---------------------|-----|-----|-----|
| Candidates examined | ... | ... | 256 |
| " failed            | ... | ... | 170 |
| " passed            | ... | ... | 86  |

Allgood, Charles Alfred  
Ascroft, Benjamin  
Ashcroft, Alfred William  
Bartlet, Alexander  
Bertles, Samuel Richard Gorst  
Billings, Sydney James  
Blackmore, Frank  
Bolitho, William Henry Hosken  
Brown, Thomas Frederick  
Brown, William Charles  
Bull, William Robert Wateham  
Burton, George Stanley  
Bustard, Francis Edwin  
Church, Charles Edward  
Clark, Henry Burton  
Clements, Charles Frederick  
Coe, Arthur Edward  
Coley, James William Ernest  
Cook, Thomas  
Couch, William  
Coulson, Horace  
Cox, Hugh  
Davies, Caradoc  
Davis, John Butler  
Day, John Edwin  
Dixon, Ernest Rowlett  
Eldred, Willie  
Ellis, John  
Epps, James Washington  
Epton, James  
Errington, John Wm. Erics  
Fairweather, George  
Falck, Charles  
Farrow, Tom  
France, James Hassall  
Galt, Thomas James  
Huard, Harry Ernest  
Gackett, John  
Hacking, Charles Harold  
Happold, Carl  
Hardwick, Albert Charles  
Harris, Frank Howard  
Hickling, Alfred John

Hill, Philip Robert  
Jenkins, Evan Jones  
Jenkins, Herbert  
Jones, Ernest William  
Jones, Thomas Henry Owain  
Jordan, Ernest Samuel  
Lambert-Shea, Wm. Albert  
McGlinchey, John Owen  
Matthews, Harold Evan  
Merrikin, Sydney Herbert  
Miller, Harold  
Molson, Algernon Heanley  
Morgan, Harold Marston  
Nelson, William Brown  
Nicholls, Thomas Lawrence  
Nield, Walter  
Norman, Charles Henry  
Pattinson, Thomas  
Perrédes, Pierre Elie Félix  
Phillips, George Thomas  
Pinelbeck, Gerald  
Sanderson, Frank  
Shackleton, George Harry  
Skinner, William  
Smith, Fredk. Alfred Upsher  
Smith, George William  
Smith, Harold James  
Stearn, Leonard  
Stephenson, James  
Street, Spencer  
Taylor, Robert Stanley  
Teale, John Oliver  
Thorne, William Harold  
Ventham, Arthur William  
Walker, Vernon  
Ward, Ernest Baker  
Ward, Wm. Hy. Chanewell  
Watson, Herbert Shepley  
Whittaker, Herbert  
Wild, Sydney  
Williamson, Edward  
Worth, Wallace

BOARD OF EXAMINERS FOR SCOTLAND.—This Board concluded its session on Friday, July 16, having examined 145 candidates, of whom 90 failed. The results of the examinations are subjoined:—

#### MAJOR.

Four candidates were examined and failed.

#### MINOR.

One hundred and forty-one candidates were examined, of whom 86 failed, and the following 55 passed:—

Armstrong, T., Bridge of Allan  
Barker, John B., Edinburgh  
Begg, John C., Motherwell  
Bentley, Thomas, Liverpool  
Bowie, John A., Edinburgh  
Brown, John T., Manchester  
Brown, William, Glasgow  
Caird, Harry, Musselburgh  
Cairns, John, Glasgow  
Clark, A. R., Edinburgh  
Cochrane, Alex., Edinburgh  
Collie, John, Edinburgh  
Dean, Charley, Bury  
Dennis, W., Jarrow-on-Tyne  
Drummond, W. D., Edinburgh  
Duncan, Alexander, Edinburgh  
Duncan, James G., Portobello  
Garsed, William, Elland  
Gray, John H., Birkenhead  
Halley, Daniel, Edinburgh  
Hulme, F. H., Edinburgh  
Jones, John L., Edinburgh  
Kay, James, Edinburgh  
Laister, John W., Manchester  
Longbottom, W. G., Edinburgh  
Ludlam, William H., Sheffield  
Mackie, Alexander, Edinburgh  
Macrae, David, Edinburgh

Martin, A. C., Edinburgh  
Martin, W. F., Edinburgh  
Mathewson, W. W., Kirkcaldy  
Maxwell, Arthur T., Newcastle  
Mitchell, Peter, Edinburgh  
Orrell, William H., Bolton  
Pirie, Joseph Mather, Glasgow  
Riddell, James H., Glasgow  
Roberts, John M., Edinburgh  
Robertson, A. H., Glasgow  
Robinson, Robert, Edinburgh  
Savage, George S., Edinburgh  
Shepperson, Arthur, Edinburgh  
Shorroek, Mary, Darwen  
Sime, William, Edinburgh  
Simpson, Thomas, Motherwell  
Sinclair, James, Edinburgh  
Stewart, Andrew H., Edinburgh  
Swift, Ernest R., Huddersfield  
Thompson, L. N., Edinburgh  
Thwaite, Ernest E., Liverpool  
Tinsley, Samuel H., Widnes  
Tulloch, James J. B., Glasgow  
Watts, William, Edinburgh  
Whineray, George E., Leith  
Wright, James G., Kirkcaldy  
Wright, John T., Edinburgh

### COUNCIL PRIZES EXAMINATION.

This examination was held on Tuesday, July 20. Subjoined are the questions given:—

#### MATERIA MEDICA.

(Time—11.30 A.M. to 1 P.M.)

1. State the characters of the following substances, their sources, and the processes by which they are obtained:—Anethol, Citral, Eucalyptol, Menthol, and Thymol.
2. Mention the varieties of Jalap found in commerce, and their characters. What are the active principles of Jalap?
3. Describe the characters of the principal commercial varieties of Gum Arabic, and state their botanical and geographical sources.
4. Name six mydriatic alkaloids, and give their botanical sources.

#### CHEMISTRY.

(Time—2 till 5 P.M.)

1. Give an account of the modes of formation and properties of the different forms of sulphur.
2. State what you know of the electrolytic conductivity of solutions of acids and of their salts, and of the conclusions which have been drawn therefrom.
3. Contrast and compare the chemical character of the elements nickel and cobalt, with special reference to the methods for their separation from other elements and from each other.
4. Give a detailed account of the oxidation of ethyl alcohol by nitric acid, and state how the products may be separated from each other.

#### BOTANY.

(Time—10 A.M. to 11.30 A.M.)

1. A typical flowering-plant develops a root in the soil and a shoot in the air. What are the functions of these parts? Show how they are adapted internally and externally to perform the work required of them.
2. What is a seed? Give an account of the development of the seed in any plant. Point out the features in the life-history of Pteridophytes which preclude the formation of a seed in this group of plants.
3. What are the natural orders of Bicarpellate Gamopetale, which include official plants? Briefly state the diagnostic characters of these orders, and enumerate the official plants belonging to them.
4. Write an account of the life-history of the plant which yields ergot.



## Society of Chemical Industry.

THE last two days of the annual meeting of the Society in Manchester were almost wholly given up to pleasure excursions. On Saturday the members visited the works of Messrs. Ivan Levinstein at Crumpsall, and in the afternoon there was a garden-party at the residence of Mr. Isidor Frankenberg at Kersal. At the

### DINNER

at the Grand Hotel on Thursday evening the President-elect, Professor Clowes (Nottingham), gave the toast of the evening, thanking the Society for the honour conferred upon himself and upon the Nottingham Section, to the growth of which and of the Society he made some pertinent references.

Dr. Schunck, the President, in responding to the toast, said they had been told that they were spending too much, and that, judged by the rules of arithmetic, there could only be one result—viz., bankruptcy. (Laughter.) Curiously enough, human affairs were not regulated by the rules of arithmetic. Very often they found that medical men, when called in to see particular patients, predicted that they could not live long, and even went so far as to fix the hour of death, and yet these patients recovered. The Society of Chemical Industry had been very much like the patients so doomed. It had been said to be on the verge of bankruptcy, yet the bankruptcy had not happened. They had got over their difficulties. He did not believe there was ever a society that died in a state of bankruptcy, and it did not matter whether their Society was bankrupt or not. Let them go on. He remembered the difficulties of the Royal Society. At one time it was virtually bankrupt. It could not pay its debts in cash, and so it paid them in books. (Laughter.) It was now a flourishing society. The Manchester Literary and Philosophical Society was once on its way to bankruptcy, but a friend arose and put it all right. (Hear, hear.) They ought not to be frightened by rumour. He thought, however, that there was not that concord and cohesion between the branches of the Society that there ought to be. There should be closer connection between them. The Liverpool Section, for instance, might as well hold its meetings in Timbuctoo except for the notices which they got of them in the *Journal*. That defect might be remedied. He did not see why the Liverpool Section could not come bodily to them in Manchester. There was accommodation. There might be alternate visits between the two cities. His worthy predecessor did something of the sort. He went from one Section to the other, but he (the President) should like to see that done by the sections as a whole, and not merely by individuals. There were no means of discussing important questions by the Society at large. It only met once a year, and there was a large amount of business to get through, and not enough time in which to do it. They ought to meet, not for themselves only, but for the purpose of discussing general questions. (Applause.)

Mr. T. Tyrer gave "Science and Industry." In the course of his observations he said that when foreigners sent goods over here we should not buy them if we did not want them, and it was only right that there should be a reasonable profit on them. He did not profess to represent "Science," but he thought nobody in Manchester could be so fitly called upon to respond to it as Sir Henry Roscoe, to whom they owed a debt of gratitude, for he had advised them that if their Society was to be international they must start in London. It was far-seeing advice. They had now 600 members in America, besides members in Austria, Russia, and elsewhere on the Continent. The Society was born in Manchester, but put in short clothes in London. (Laughter.)

Sir Henry, who was received with much applause, said he had determined, amid some difficulty and inconvenience, to come down from London and show his allegiance to the Society and his respect for their President. He had worked for the Society from the beginning. He was a Manchester man, though an Englishman—(laughter)—and he congratulated the Society in coming for the third time to that great hive of industry. There was a society of science and industry combined, and the result of making it Anglo-

Saxon had become apparent. They had over 3,000 members. Men with and men without means interested themselves in scientific research. Such men as their President and Professor Joule were men of whom they had every reason to be proud. They had not got such men on the Continent. ("Oh" and laughter.) The advantages to be derived from the alliance of science with industry were admitted, but, as they were all converted, why should he preach to them? Without science there could be no industry. Rule of thumb was dead. (A Voice: "Not yet.") He felt assured that the members of the Society were all determined to keep up the prestige of England in the world of science. A great deal had been said about German industry and science, but had England done nothing? Some of the greatest discoveries had been made by their own countrymen. (Applause.) Of their own countrymen they were proud. Let it not be supposed that they had done nothing, and that they were not going to do anything. What they had done they would do. They might take lessons from Germany, but they were determined to uphold the industries of the country. (Applause.)

Dr. Bowman also responded to the toast on behalf of "Cotton."

Mr. G. Beilby proposed "The Guests." Dr. Böttinger, in reply, said he had been a member of the Society for many years, but, considering that he was a German, he looked upon himself as a guest, and he thanked Manchester members for the reception they had given him.

Dr. Macadam gave "The Local Section," to which Mr. Harry Grimshaw and Mr. J. Carter Bell responded.

### ENGLISH ANILINE DYES.

After the visit to the Crumpsall dye-works above referred to, Mr. Levinstein entertained the company to luncheon in the Grand Hotel. There was then some speaking, Mr. Levinstein himself making a significant speech, considering that he is our countryman by naturalisation. He had thrown open his works that day, he said, for the purpose of demonstrating to them that the coal-tar industry is not only in existence, but that it is expanding in this country in spite of all that has been said to the contrary. He acknowledged that we were behind Germany in the quantity and variety of products manufactured from coal-tar, but we were gaining ground, and with an amended patent law which would not, as hitherto, give all advantages to our foreign rivals at our expense, our progress would be still more noticeable. He maintained that in science the maxim "the demand regulates the supply" does not hold good—the very opposite is the truth. Long before Germany possessed a chemical industry of any importance great schools were established and directed by such masters as Wöhler, Liebig, Kekulé, Hofmann, Bayer, Victor Meyer, and Fischer, and to them belongs the credit that German manufacturers are in a very much better position by having at their command a large number of highly-trained men to take advantage of the discovery and the development of the coal-tar industry, first founded by an Englishman. It was undoubtedly the fact that the position which Germany holds to-day in chemical industries is due to their great masters in organic chemistry and to their patent laws; whilst we, on the one hand, do not possess the highly-trained staff of men, and on the other stifle our inventive genius and handicap our industry by absurd laws. That our manufacturers do appreciate highly-trained men is proved by the fact that many hundred foreign chemists are employed in British works. Mr. Levinstein also questioned if we can turn out, in sufficient numbers, organic chemists of the high training required by our manufacturers. Our whole educational machinery is yet insufficient for the purpose. The only laboratory that exists in this country which is solely devoted to the study of organic chemistry is at Owens College.

BRIDGET: "If ye please, mum, O'd like me wages to-day, as O've to pay me fayther's medical insurance." MISTRESS: "What is medical insurance, Bridget?" BRIDGET: "'Tis the kind that if ye're sick does be sendin' ye medicine an' a docthor an' a hearse an' a grave an' everything ye do be needin'."

## Legal Reports.

### THE PHARMACY ACT.

#### THE SALE OF PRUSSIC ACID.

AT the Lyndhurst Petty Sessions on July 14, John Goulden Short, chemist, of Lyndhurst, was summoned for selling prussic acid to one William Povey, on or about April 3, without entering the sale in a book as required by the Act. Povey subsequently committed suicide with the poison.

Mr. F. G. Short said he appeared for his father, the defendant, who was very deaf, and perhaps it would be more convenient that he should take his place.

The Clerk said this was a criminal offence, to which the defendant must plead.

Defendant then pleaded guilty.

Mr. F. G. Short said although his father had pleaded guilty, he should like to make a statement.

The Chairman consented, and Mr. F. G. Short then explained that Povey came into the shop, and asked his father for some prussic acid, as he wanted "to do away," as he said, "with some old 'uns." His father told him he must be careful, as he did not let anybody have the drug. Povey replied that he kept all his drugs, &c., under lock and key. Therefore he let him have 1 oz., and he labelled the bottle "Poison," and with his own name and address upon it, thus showing that he had no desire to conceal anything. He told Povey he must sign the poisons-book, and went to get the book, but on his return Povey had gone, saying as he left, "Don't bother; you know me." His father had not been out of doors for months, and was not able to run after him. Povey often treated dogs, &c., and they looked upon him almost in the light of a veterinary surgeon. His father had been in business over forty years, and such a thing had never occurred before. He was very averse to letting people have poisons, and when he did he always made them sign the book. He knew that Povey knew what he was about with poisons, and must plead guilty to an omission in his case.

The Chairman said it was admitted there was no entry in the book, as required by the Act, of Parliament, and the Bench would inflict the reduced fine of 2*l.* and the costs, 7*s.*

#### EXHIBITING THE TITLE CHEMIST.

AT the Leicester County Court on July 20, before Judge Wightman Wood, the Pharmaceutical Society of Great Britain brought an action against D. G. McGoun, Clarendon Park Road, Leicester, claiming a penalty of 5*l.*, under the Pharmacy Act, 1868, for exhibiting the name or title "chemist" without being duly qualified.

Mr. T. R. Grey appeared for the plaintiffs, and Mr. Harding for the defendant.

Mr. Grey stated that over the window of defendant's shop in Clarendon Park Road were these words, painted in fair-sized letters, "Lynton Drug, Oil, and Colour Stores—McGoun—Butler & Sons, chemists." Mr. McGoun was not a duly-qualified chemist under the Act, and he contended that this inscription was calculated to mislead. The word "chemist," exhibited over the window, rendered the defendant liable to a penalty under the Act, the object of which was to prevent people, unless duly qualified, from practising as chemists. Whether a person used his own name or other persons' names, and added the word "chemist," it would lead people to believe that the owner of the shop was a duly-qualified chemist, who understood about all the drugs in which he was dealing, and had passed the examination of the Pharmaceutical Society. It might be said that in this case the word "chemist" did not come immediately after the defendant's name, but that he (Mr. Grey) submitted was an unimportant point, as the inscription over the shop—McGoun—Butler & Sons, chemists—would lead people to suppose that McGoun was a chemist equally with Butler & Sons. He (Mr. Grey) believed that Butler & Sons were chemists in Leicester, but if that were so, it was not sufficient to justify the defendant putting over his shop words implying that the shop was owned by a properly-qualified chemist.

Mr. Arnold Foulks, Manchester, who gave evidence of having seen the description on March 23, said in cross-

examination that the word "from" did not appear in front of "Butler & Sons." He made two purchases—glycerine and castor oil—at the shop on March 24.

Mr. Harding, for the defence, denied that there was any intention on the part of the defendant to describe himself as a fully-qualified chemist. He was for eight years in the employ of Messrs. Butler & Sons, and when he went into business for himself he had painted over the window: "From Butler & Sons, chemists." As the inscription was first painted, the word "from" was separated from the words "Butler & Sons," the latter name appearing by itself around a bend of the window. Messrs. Butler & Sons wrote objecting to this, and explaining that they would not object if the word "from" appeared on the same side as the name. The defendant, therefore, had the word "from" painted out on one side of the window and rewritten on the other immediately in front of "Butler & Sons." Defendant received a letter on April 20 from the Pharmaceutical Society complaining of the inscription, and he then had the words removed altogether. Defendant was entitled to sell all sorts of drugs except poisons. There was no intention on the part of the defendant to mislead.

The defendant having given evidence in support of his solicitor's statement,

His Honour, in giving judgment, said it seemed to him that it made no difference at all whether the word "from" appeared in the inscription or not. The appearance of the name of a firm of chemists would in itself be a most distinct intimation that the person owning the business was a chemist, and came from the firm named. It seemed to his Honour that the defendant did exhibit over his shop the name or title of chemist within the meaning of the Act in such a way as to lead people to suppose that he was a chemist, and he must, therefore, find for the plaintiffs, with costs.

#### THE DIVORCED BOND STREET CHEMIST.

THE case of Kerr v. Kerr came before a Queen's Bench Divisional Court on Wednesday on appeal by Mr. W. H. Kerr from a judgment of Judge Lumley Smith at the Westminster County Court. Mrs. Kerr in 1893 obtained an order in the Divorce Court against her husband for payment to her for maintenance of the yearly sum of 108*l.* by monthly instalments. Mr. Kerr failed to keep these payments up, and in October, 1896, Mrs. Kerr issued a judgment-summons in the County Court to enforce payment of arrears of five instalments. The County Court Judge, on October 13, made an order committing the defendant to prison for fourteen days for non-payment of the three instalments due in February, March, and April, the Judge being of opinion that the debtor had had means to pay that portion of the judgment-debt. The issue of the warrant, however, was to be suspended until December 1. The defendant on December 5 filed an affidavit stating that on November 30, 1896, a receiving order was made against him, and that the debt in respect of which the order of commitment was made was provable in bankruptcy. The Registrar thereupon stayed the issue of the warrant. The Judge, however, in February, on the application of Mrs. Kerr, rescinded the Registrar's order, being of opinion that the wife could not prove in bankruptcy for arrears of alimony due before the husband commenced his proceedings in bankruptcy. The Judge, therefore, took off the stay, but he stayed proceedings pending appeal. The arguments turned on the application of certain decided cases. In the end Mr. Justice Hawkins and Mr. Justice Vaughan Williams held that the County Court Judge was right—namely, that this was not a debt provable in bankruptcy; but Mr. Justice Wright dissented. The committal order against the defendant Kerr is therefore enforceable.

#### "HUNYADI" WATER RIGHTS.

IN respect to an action by Mrs. Saxlehner for the enforcement of her exclusive right to the word "Hunyadi" on Hungarian bitter-waters, Mr. Warrington, Q.C., applied to Mr. Justice Kekewich on Friday in last week asking him to amend, in accordance with his judgment, a minute as to costs drawn up by the Registrar. His Lordship, he said, would probably recollect that he distinguished as to costs in



his judgment, excepting those which had been incurred by charge referring to the diamond-marked labels; and the order was at first drawn up in that form, in accordance with his Lordship's judgment, as he understood it, and certainly in accordance with the endorsements on their briefs as counsel. At the last moment, however, the Registrar altered the word "incurred" to "increased," the result of which could be no apportionment of his client's general costs. Mr. Warrington, Q.C., who appeared on the other side, had authorized him to say that his conclusion in the matter corresponded with his (Mr. Warrington's) own, and he therefore asked his Lordship to give directions accordingly. Mr. Justice Kekewich said the word "incurred" must be restored or "increased."

#### SANLEHNER v. BROWN.

WITH reference to our report of this case, published last week, we ascertain that Mr. Brown had actually rebelled fourteen bottles of Apenta water which he had in stock with labels which he obtained from the Apollinaris Company. Mr. Brown states as follows:—"I told an assistant to learn how many bottles of Apenta were on the premises, and, being informed that there were, in all, but fourteen bottles—i.e., a few in one of the shop-wall cases and the rest in a cellar—I asked the representative of the Apollinaris Company to please send us fourteen new labels, such as he said were permissible. These labels were properly posted to me, and, as soon as received, the older labels were removed and the new ones put on. I may add that even the few bottles that had been in the glass case were removed, and not put back there until the fresh labels came to hand. The two bottles that led to the action were, I now suppose, in my shop-window, and so escaped notice, and, notwithstanding that the window has been repeatedly cleared out since then, the fact that the labels on those two bottles had not been altered was overlooked. I had neither knowledge of, nor motive to, any encroachment on the interests of those who have acquired an exclusive title to the use of the word 'Hunyadi' until these proceedings were taken against me."

#### CALVERT'S CARBOLIC DISINFECTANT.

IN the Chancery Division of the High Court on July 16 Mr. Swinfen Eady, Q.C., mentioned the case of F. C. Calvert & Co. v. D. Calvert & Co. on a motion to restrain the defendants from passing off carbolic disinfectant as and for the goods of the plaintiffs. A great deal of evidence had been filed, and he could not say there was not a question to be tried. He did not, therefore, ask for an order on motion, but suggested that liberty should be given to set down for trial at once. His Lordship directed accordingly.

#### COLMAN'S BLUE.

IN the Chancery Division, on July 16, before Mr. Justice North, Mr. Swinfen Eady, Q.C., moved, on behalf of J. & J. Colman (Limited), for an injunction restraining Messrs. Coverdale & Grierson, chemists and druggists, of High Street, Lincoln, from selling or passing-off blue not of the plaintiffs' manufacture as the plaintiffs' blue. Mr. Eady stated that the plaintiffs were the well-known manufacturers of mustard at Norwich. They also made Colman's azure blue. It came to their knowledge that the defendants were selling blue as of their manufacture which was, in fact, not made by them, and accordingly two orders were given verbally and two other orders in writing for Colman's blue. In each case blue was supplied of a totally different make. He thought under these circumstances his Lordship would see no difficulty in the way of granting an injunction.

Mr. Butcher, Q.C., for defendant, Mr. Grierson, said there was no real case for an injunction. The blue was sold under rather peculiar circumstances, and the defendant Grierson, who had taken over Mr. Coverdale's business, had no knowledge that the blue in question had been sold. When he took over the business he had no intention of selling blue at all, but his assistant found some blue forming part of the stock which he had taken with the business. He did not know the maker of the blue, and until the writ was issued in the present action he was unaware that plaintiffs manufactured

blue at all. There was clearly no intention to deceive, the whole thing being a mistake on the part of the assistant, who was equally ignorant as to the different makes of blue.

Mr. Justice North said a mistake might have been made, but four cases had been clearly proved, and he did not see why an injunction should not be granted. The injunction must go.

#### COUNTY-COURT CASES.

##### THE CITY OF LONDON COURT AND SUITORS' MONEY.

IN the City of London Court, on July 16, before Mr. Commissioner Kerr, Mr. Gilbert E. Moojen, The Laurels, Ladywell Road, Lewisham, sought to recover from Messrs. W. J. Bush & Co. (Limited), chemists and druggists, 26 Artillery Lane, the sum of 2*l.* 8*s.* 1*d.* as commission on certain information about an old and what was thought to be a bad debt. It seemed that the defendants had sued one of their customers about seven years ago in this court for chemicals and drugs supplied to him. The customer had paid the money into court, amounting to 6*l.* or 7*l.*, but the defendants had not heard of the fact, or had overlooked it. After money has been lying in court for six years the officials of the court exhibit in the vestibule of the court-house a list of unclaimed balances due to the various suitors. In the list so exposed to public view in January last appeared the defendants' name, showing that they were entitled to the amount mentioned. The plaintiff, therefore, went to their office and asked what they would give him if he gave them such information as would enable them to recover a debt which was several years old and which was still owing to them. He was promised a third of the amount, whatever it was, and he now sued the defendants for his proportion. He produced a letter signed by the defendants in which they promised him the commission "if through your information we recover the whole of the bad debt." Mr. Welfare, defendants' solicitor, denied that the plaintiff was entitled to anything. He, seeing that there was money in court due to them, rushed off to several people, the defendants amongst others, and asked them what he should have if he told them how to get a bad debt. A clerk gave the plaintiff the letter which he relied upon, and then the clerk, whose duty it was to attend to County Court matters, discovered that the money was in court waiting for them to take it out. It was not in the plaintiff's power to get the money for the defendants. Therefore, why should he have his commission? Mr. Commissioner Kerr said it was evident that the defendants had forgotten all about the matter, and that they would never have heard of it but for the plaintiff telling them about it. They could get their money, although it had been waiting for them for nearly seven years, by going into the office of the court and asking for it. He should find for the plaintiff. Another action was brought by the plaintiff under similar circumstances against Payton & Co. (Limited), Tower Hill, to recover a commission of 18*s.* 9*d.* In this case also judgment was given for the plaintiff, with costs in both cases.

#### A SHOP-FITTING JOB.

AT Southwark County Court, before Judge Addison, Q.C., on July 15, Tom Margrie, builder, of Westminster Bridge Road, sued a chemist named Attride and his manager Andrews, to recover 7*l.* 10*s.*, balance of account for work done on a shop which the defendant was fitting for a chemist's business in Stamford Street. He applied for payment of his bill, but was given only 2*l.*, he being told that that was all he would get. Mr. Attride said the work had been much delayed, and was badly done, and his manager corroborated his evidence. Mr. Andrews said the plaintiff had employed a man addicted to drink. The plaintiff said he was 14*l.* out of pocket on the job, and he alleged that the defendants had taken his man out to drink. The Judge said he could hardly believe that. He thought, however, the plaintiff was entitled to something, and he should find for him for 4*l.*

#### A DOCTOR'S CHARGE FOR MEDICINE.

DURING the hearing of a number of cases in which a doctor was claiming the amount of some old bills, at the Stour-

bridge County Court, the Judge (Sir Richard Harington) said he thought, in strictness, a doctor was only entitled to the cost of medicine in cases where he charged for attendance, and that he was not entitled like an apothecary to make a profit out of the medicine. He also held that the practice of making a specific charge for medicine of whatever kind could not be sustained.

#### A DISPENSER'S MEANS.

IN the City of London Court, on Tuesday, before Mr. Commissioner Kerr, Mr. Richard Haworth, Furnival's Inn, Holborn, sought to have Mr. Alexander Attridge, of Furnival Street, dispenser, committed for the non-payment of 1*l.* 3*s.* Mr. Commissioner Kerr said he was not going to send a man to prison for the non-payment of even a shilling unless there was evidence of his means. The plaintiff said he was told that the defendant had 200*l.* a year. Mr. Commissioner Kerr: I cannot act upon what you have been "told." I must have the man come here and tell me. I cannot help you. No order was made.

#### ARE SAMPLES CHARGEABLE?

ON July 16, before Mr. Assistant-Registrar Tattershall, in the City of London Court, Messrs. Cantor & Co., 6 Houndsditch, E.C., sued Messrs. G. Stoddart & Son, 93 Gore Road, N., for 10*s.* for sponges supplied in August last. The defence was that the sponges supplied were simply samples, and that, as such, the plaintiffs could not expect to be paid. The Assistant-Registrar, after hearing the evidence, found for the plaintiffs.

#### THE WOOLWICH SWEET-NITRE CASE.

THE action between Messrs. Leopard and Litoun, known as the "knock-out" case, came again before Judge Addison, Q.C., at the Woolwich County Court on Wednesday. Mr. Bryceson appeared for the plaintiff to ask for costs on a higher scale. He said that the action had involved an enormous lot of trouble. It had raised several novel points, the latest decision on the subject of "knock-out" sales being fifty years ago. He also maintained that the action raised points of general and public interest, shown by nearly all the newspapers in the country reporting the proceedings. Mr. Thomas, for the defendant, urged that costs on the "A" scale would meet the justice of the case. Originally, it was only a claim for 10*l.* for breach of contract; but the law costs had run up to about 50*l.* The Judge said the costs in the Court of Appeal amounted to 28*l.* and in the County Court 20*l.* He asked if he was worth 50*l.* or 500*l.*, but Mr. Litoun found it impossible to say. In the end the Judge said: I shall make no order as to the amount of monthly instalments. If he does not pay the 11*l.* 17*s.* (the amount of the judgment) in fourteen days, you can bring him up on a judgment-summons. I assess the costs on "A" scale.

## Bankruptcy Reports.

*Re* MARSHALL THOMSON, Heath Cottage, Ruthrieston, Aberdeen, Chemist and Cycle Agent.

THIS bankrupt was examined at the Aberdeen Sheriff Court on July 16. He stated that he had been a chemist in Ballater. He also dealt in bicycles. He got into difficulties about 1894, and granted a trust-deed in favour of Mr. A. S. Cook, clothier, who took possession of his estate. A statement of his affairs was made up at the time of his bankruptcy, and it was correct, so far as he was aware. His books and papers would disclose all his transactions. The examination was adjourned, so that the books and documents might be examined.

*Re* MATHIAS JONES, Castle Square and Worselton Road, Swansea, Chemist.

THIS debtor appeared on July 15, at Swansea Bankruptcy Court, before Mr. Registrar Home, for his public examination.

The liabilities amounted to 513*l.*, and the deficiency to 36*l.* Failure was alleged to be due to bad trade, competition business, and pressure by a large creditor. The examination was declared closed.

*Re* BENJAMIN TAYLOR, Dunholme, Manufacturer of Herbal Medicines and Pills.

THIS debtor appeared for public examination at Lincoln on July 13. His statement disclosed liabilities 125*l.* 8*s.* 9*d.* and assets valued at 46*l.* 12*s.* The causes of failure were reported to be "bad seasons and loss of stock." Questioned by the Official Receiver, the debtor said he was a "quack doctor," if they liked to call him so. He commenced business in 1890 with 300*l.* capital, which he borrowed from his wife. The examination was adjourned until July 27, for the attendance of debtor's son.

*Re* THOMAS NODEN BROOKE, 28 High Street, Doncaster, Chemist and Druggist.

A MEETING of creditors in this failure was held at the office of the Official Receiver, Sheffield, on July 20. The debtor was represented by Mr. A. Howe. The Official Receiver said the receiving order was made on the debtor's own petition. He owed to unsecured creditors 386*l.* 16*s.* 2*d.* and creditors for rent 12*l.* 10*s.* He estimated his assets produce 312*l.* 15*s.* 8*d.* He commenced business in 1891 without capital, and carried on until November, 1895, when he arranged a composition of 7*s.* in the pound—he being secured by his friends. He had since continued in business, and said that, having no capital, he had not been able to recover his position, and had been continuously pressed by his creditors. The furniture was sold by trustee under the composition to the debtor's wife, who friends found the money. The Official Receiver said there was a feeling amongst the creditors that the debtor's insolvency was largely attributable to non-attendance to business, drinking, and betting. The debtor denied this. The matter was left in the hands of the Official Receiver.

*Re* ALAN MCCONNELL, Sowerby Bridge, Yorks, Chemist and Druggist.

THIS debtor appeared for his public examination at Halifax Bankruptcy Court on Monday last. The receiving order was made against the debtor on a creditor's petition as he had disappeared from the district. A week after the date of the receiving order, however, he surrendered himself and gave the Official Receiver full particulars of his affairs. He now told the Official Receiver that he went away because he could not meet a bill at the bank. His statement showed liabilities 815*l.*, and assets estimated to produce 442*l.* He had been bankrupt previously—viz., in 1895, at Appleton where he was in business as a chemist. He obtained discharge in 1894, subject to eighteen months' suspension. He had had transactions with a money-lender named Ryle. He borrowed 40*l.* of him, but as a matter of fact he only received 30*l.*, the difference being retained as interest. He had to repay the loan by instalments, extending over 18 months. He had also borrowed money from a money-lender named Moore. The examination was adjourned for the debtor to amend his accounts, and give full details as to various borrowing transactions.

## Gazette.

### PARTNERSHIPS DISSOLVED.

Fox, W. A., and Ryle, R. J., under the style of Bury, Fox & Ryle, New Barnet and Hadley Green, surgeons, accoucheurs, and general medical practitioners.

Kidson, C., Kidson, J., Kidson, F., and Johnson, H., under the style of John Kidson & Co., Lymington, Cheshire, bone, glue, size manufacturers; so far as regards H. T. Johnson.

Kissack, E. T., and Pearse, A. S., under the style of Kissack & Pearse, Manchester, dentists.

Sarson, A. A., and Walker, F. V., under the style of Sarson & Walker, Llandudno and Llanrwst, dental surgeons.



## Westminster Wisdom.

## THE STATE OF BUSINESS.—THE FOOD AND DRUGS BILL.

The Government hope to end the Session, if possible, by the first week—or at the latest by the second week—in August. The Bills of private members, such as the Early-closing Bill, are hopelessly dead. The chief triumph of the Session, as regards private members Bills, has been that of Mr. Hazell, whose Verminous Persons Bill has been read a second time in the House of Lords. When Mr. Balfour made his statement the other night as to the Government arrangements for the rest of the Session, he was challenged by Mr. Jeffreys to say whether the promised Food and Drugs Bill was to be brought in; but he made no response.

## CURARE.

During the week three more questions have been addressed by Mr. Weir to the Home Secretary on the subject of the use of enure in experiments on living animals. The Home Secretary, however, thinks that no good purpose would be served by giving returns of the number of experiments in which curare was used in vivisection last year, and he is satisfied that enure is not used as an anæsthetic.

## THE METRIC SYSTEM.

The Weights and Measures Bill legalising the metric system was read a second time in the House of Lords on Tuesday.

## THE COMPANIES BILL.

The Chairman of the Law Debenture Corporation (Mr. Stanley Boulter), in giving evidence before the Select Committee of the House of Lords on the Companies Bill, said he thought the cases of fraud and hardship under the Companies Acts had been very few in comparison with the gigantic capital of 1,300,000,000*l.* invested in companies in this country, and that the cases do not afford a sufficient reason for interfering with a course of business which had been built up so satisfactorily during the last thirty-five years.

## PARIS EXHIBITION.

Mr. Curzon states that arrangements for the participation of Great Britain and the colonies in the Paris Exhibition of 1900 are in a forward state, and that a Royal Commission will shortly be constituted to carry them out. A report has reached the Government that a material reduction is contemplated in the space which was provisionally allotted to the British exhibits.

## MERCHANDISE MARKS.

The Merchandise Marks Committee are considering their report, which will be presented before the close of the session. It is understood that there is much diversity of opinion as to the recommendations that should be made, and that the report is likely to evince no little hostility to the Acts as now enforced.

## DISPENSERS TO POOR-LAW UNIONS.

Mr. Lyttelton has asked the President of the Local Government Board if he could state why the standard of qualification for appointment as dispenser to a Poor-law Union had been reduced, so that persons other than those possessing a statutory qualification in pharmacy were now eligible for such appointments; and whether, having regard to the special technical training required in such dispensers, the Local Government Board would take steps to obtain for the sick poor in the various unions under their jurisdiction the security afforded by dispensers possessing a statutory qualification to dispense medicines? Mr. Chaplin, in his reply, said that the Local Government Board in June, 1895, issued an order by which compounders of medicines duly qualified in accordance with the regulations for the Army Medical Staff Corps were recognised as qualified for appointment as dispensers by Boards of Guardians. The Board had previously issued similar orders as regards particular cases. The order referred to was not issued without careful consideration.

## Deed of Arrangement.

Hay, William Alfred Edward, of London, chemist, proprietor in partnership with W. L. Inceptor, of London, of the property, interest, dated July 17; and July 19, 1897, in the business of the firm, subject to a disputed claim of 300*l.* 8*sh.* 6*d.* 4*d.* 14*d.* 7*d.* of Inceptor up and letter of 1*st* Nov. 1897, with a payment of 100*l.* in full, debt or covenanting to pay to the creditors a sum of not less than 150*l.* per annum by monthly instalments of 12*l.* 10*s.* commencing August 1, 1897. The following are admitted as creditors:—

|                                                    | £   | s. | d. |
|----------------------------------------------------|-----|----|----|
| Allen, S., Bridport .. .. .                        | 160 | 0  | 0  |
| Bigg & Son, Dorchester .. .. .                     | 22  | 0  | 0  |
| Broom, —, Bridport .. .. .                         | 20  | 0  | 0  |
| Crabb, J., Weymouth .. .. .                        | 14  | 0  | 0  |
| Denman, J. L., & Co., London .. .. .               | 13  | 0  | 0  |
| Fisher, G., Bridport .. .. .                       | 13  | 0  | 0  |
| Green & Sons, Bristol .. .. .                      | 16  | 0  | 0  |
| Groves & Son, Weymouth .. .. .                     | 16  | 0  | 0  |
| Guppy, J., Bridport .. .. .                        | 93  | 0  | 0  |
| Hansford, H. R., Bridport .. .. .                  | 231 | 0  | 0  |
| Hartgill, J. W., Bridport .. .. .                  | 13  | 0  | 0  |
| Hodges, J., Dorchester .. .. .                     | 43  | 0  | 0  |
| Matthews, H., & Son, Bridport .. .. .              | 221 | 0  | 0  |
| Milledge, Z., Weymouth .. .. .                     | 300 | 0  | 0  |
| Monteith & Alford, Bridport .. .. .                | 19  | 0  | 0  |
| Randall, W. E., Bridport .. .. .                   | 14  | 0  | 0  |
| Richardson, J., & Co. (Limited), Leicester .. .. . | 10  | 0  | 0  |
| Scadden, B., Bridport .. .. .                      | 23  | 0  | 0  |
| Spencer, —, Bridport .. .. .                       | 10  | 0  | 0  |
| Stenbridge, Eli, Bridport .. .. .                  | 15  | 0  | 0  |
| Tucker, H., & Sons, Bridport .. .. .               | 11  | 0  | 0  |
| Wharlow, T. E., Evesham .. .. .                    | 10  | 0  | 0  |
| Young, C. V., London .. .. .                       | 34  | 0  | 0  |
| Bankers' claims .. .. .                            | 50  | 0  | 0  |

## Deaths.

ANDERSON.—The *Grocer* states that Mr. R. W. Anderson, proprietor of the "Photograph" brand, Baron Liebig's extract of meat, 92 Upper Thames Street, E.C., died suddenly on July 9. Mr. Anderson was the defendant in an action raised some years ago by the Liebig's Extract of Meat Company, and he then established a right to the use of the name of Baron Liebig in connection with extract of meat.

BAKER.—On July 16, the funeral took place in Great Clacton Churchyard of Mr. Wm. Sanders Baker, chemist and druggist, an old and respected resident of Clacton-on-Sea. He started business in Pier Avenue, Clacton, twenty-two years ago, and took a keen interest in the development of the town. He was a well-known member of the Baptist community, and took an active part in the movement which resulted in the erection of Christ Church. He was 83 years of age.

BRISTED.—On July 15, at Eton House, 35 St. Peter's Road, Margate, Mr. John Bristed, late chemist and druggist, High Street, Margate, aged 70 years. Mr. Bristed had carried on a successful chemist's business in the High Street in premises now occupied by a draper. He retired about fifteen years ago. His son, Mr. John Bristed, is managing director of Kemp & Co. (Limited), chemists, Bombay.

BURN.—On July 19, at Elvet Bridge, Mr. William Burn, of the firm of Seawen & Burn, chemists and druggists, Market Place, Durham.

WOODCOCK.—At his residence, 19 Newsham Drive, Liverpool, on July 21, after a short illness, Mr. Joseph Woodcock, chemist and druggist. In addition to carrying on an extensive business in Liverpool and district, Mr. Woodcock was for many years associated with the parochial government of the city, he having been one of the most prominent and useful members of the Select Vestry, on which he had served for about twenty years. He was for some time an overseer of the parish of Liverpool, and for four years was churchwarden of the Pro-Cathedral. He was also a Conservative member of the City Council. Mr. Woodcock had been in failing health. He was over 70 years of age, and leaves a widow.

## Notes on Liquor of Bismuth.

By B. S. PROCTOR.

A FEW months ago I published a paper on the detection of tellurium in pharmaceutical bismuth, intending to follow it promptly with another treating on liquor of bismuth, as I had found sundry reactions so much influenced by the citrate of ammonium as to be worth recording. Recent circumstances have not been favourable to my experimental work, and I now offer notes, such as I am able to give, without waiting for the opportunity, which may never come, of clearing up some of the questions which might have been advantageously inquired into. It is not, however, unprofitable work to point out that certain impurities may be proved present, or absent, under conditions readily secured by the pharmacist.

During my experiments I had met with several samples of the liquor, from sources supposed to be above faulty work, which did not correspond with the B.P. solution. To enable tests to be applied in a satisfactory manner, I prepared a pint of the liquor precisely as described in the Pharmacopœia, working from a citrate of bismuth supplied by a maker of high repute. Samples of the liquor were taken, and arsenic or tellurium introduced in definite quantities by additions of B.P. liquor arsenicalis, or additions of the solution of tellurium—1 gr. in 1,000 minims—which I described in my former paper.

(G. 43). A commercial sample of liq. b., fl. 3j.; add hypophosphite of sodium; no change. Add HCl sufficient to redissolve the precipitate at first thrown down; no change in the cold; add more HCl to secure a free excess, and boil; no change; a further addition of HCl, and repeated boiling; no change. Thus, bismuth is not precipitated by boiling with hypophosphorous acid in the presence of free citric and hydrochloric acids.

To this solution, when cold, 0.001 gr. tellurium was added, which produced no change in the cold; a second thousandth gr. of Te added still produced no change till heated, showing that, in the presence of free citric and hydrochloric acids, tellurium is precipitated by hypophosphorous acid aided by heat, but not in the cold.

(G. 52). Liq. bismuth fl. 3j., add Te 0.02 gr., add stannous chloride, an immediate precipitate fell, nearly white, which redissolved on shaking; then there gradually fell a mixed precipitate, the lower stratum nearly white, the upper nearly black. HCl added, the white speedily dissolved; the black not altered in twenty-four hours. Thus, stannous chloride precipitates tellurium in either acid or alkaline solutions; but in the latter the tin is also precipitated.

(B. 54). Liq. bism. fl. 3j., add  $\text{As}_2\text{O}_3$ , 0.02 gr. add stannous chloride, an immediate white precipitate redissolving, and after a few hours again going down. The addition of HCl dissolved the white precipitate, leaving a faint-brown tint, rather darker after adding more HCl.

(E. 58). Liq. bism. fl. 3j., HCl 3j., hypophos. sod. gr. x. No reaction, cold or boiling. When cold again, 1 drop of liq. arsen., B.P., added. No reaction while cold, but on heating a brown colour developed, and dark-brown precipitate fell as the boiling-point was reached. The strongly acid condition prevents the reduction of bismuth, but not the reduction of arsenium by hypophosphorous acid.

(B. 56). Liq. bism. fl. 3j. Dilute HCl added till the precipitate first formed was just redissolved; add 3 gr. hypophosphite, and boil. Some bismuth was reduced (there being neither As nor Te present). Repeated small additions of HCl and hypophosphite continued to throw down more bismuth

on boiling, care being taken to avoid a strongly acid condition. Thus, in testing liquor of bismuth for As or Te by the hypophosphite, it is necessary to have a pretty strong acid condition, and the above proportions (E. 58) are found to be satisfactory.

In making experiments, such as E. 58, upon commercial liquors, I have repeatedly noted the evolution of brown fumes with nitrous odour, indicating very appreciable quantities of nitrates, which certainly ought not to be present, seeing that the B.P., 1885, modified the formula previously in use with the special object of getting rid of the nitrate of ammonium necessarily present in the liquor prepared by the formula of the 1867 edition. That formula directed that bismuth to be first converted into nitrate, and then citric acid and ammonia added, the nitrates not being eliminated from the mixture. In my work on practical pharmacy, second edition, page 187, I pointed out how the liquor might be prepared with the same ingredients then in use, indicating a modification in the mode of working by which the nitrate of ammonium was got rid of. The Pharmacopœia 1885 adopted the elimination of the nitrate of ammonium but accomplished that end by precipitating citrate of bismuth, washing and drying it as a first step, and then, as a second, rubbing the dry citrate with water and adding sufficient ammonia to make a solution. It may be that this official mode is considered to secure a greater accuracy in the proportion of bismuth present in the finished liquor, but either the official process, or the process which I have previously advocated, would yield liquors free from nitrate, and I should consider any modification which did not effect this object was an unwarrantable deviation from the Pharmacopœia. I have been much surprised that liquor obtained from reputable sources should still contain nitrate in such quantity as to yield strong nitrous odour when mixed with an equal volume of strong sulphuric acid, and to yield brown fumes and give the usual reactions of nitrates with ferrous sulphate and indigo. Some samples of the pharmaceutical carbonate also contain traces of nitrate, and in any examination of these for Te or As it becomes essential that a reducing agent be added in such quantity as to reduce the nitric acid as well as the metal sought for.

It has frequently been stated that liquor of bismuth does not keep well if made exactly by the official process, and that manufacturers in some way modify the formula to make the product "satisfactory." And while my experiments show that liberties are taken with the article, they also show that there is no necessity to do so, the experimental sample made at the beginning of March being good at the end of June.

The following table shows the specific gravity of the samples examined:—

|                                                  | Sp. gr.   | Weight of sulphide of bismuth from fl. 3j. |
|--------------------------------------------------|-----------|--------------------------------------------|
| No. 1. B.P. liq. own make ...                    | 1.068 ... | 6.3 gr.                                    |
| No. 2. D. E. No. 1. ...                          | 1.124 ... | 6.5 gr.                                    |
| No. 3. D. E. No. 2. ...                          | 1.072 ... |                                            |
| No. 4. H. O. S. ...                              | 1.091 ... |                                            |
| No. 5. H. N. S. ...                              | 1.122 ... |                                            |
| No. 6. N. E. W. ...                              | 1.074 ... |                                            |
| B. P. statement ...                              | 1.07 ...  | about 7.0 gr.                              |
| Theoretical yield of sulphide by calculation ... |           | 6.45 gr.                                   |

No arsenic or tellurium was found in any of these. Considerable nitrates in Nos. 4 and 5, less in No. 2, and a trace only in No. 3.

It will be noticed that the gravity varies considerably, in comparing No. 2 with No. 1 the gravity is not proportionate to the bismuth present.

The yield of sulphide of bismuth is no doubt the sure guide to the strength of the solution, but is too troublesome



process for dispensing-counter work. I have slightly modified the assay as follows:—

To 2 fl. dr. of the sample with 1 oz. of water add sulphhydrate of ammonium in slight excess.\* This yields a copious precipitate, which is to be thrown upon a filter-paper previously tared, and washed with distilled water to which 2 or 3 drops of sulphhydrate of ammonium have been added. This addition is intended to prevent the absorption of oxygen. During the washing, drops of the filtrate should be taken upon glass slips and dried, and the additions of water to the filter should cease as soon as the residue of a drop is very small and the residue of a further drop shows no evident diminution. The washing may then be continued with methylated spirit containing one drop to the ounce of ammonium sulphhydrate. The spirit displaces the water and thus expedites the drying, which should be effected in a water-bath without any unnecessary delay.

In this way the offensive odour of  $H_2S$  is in great measure avoided, the oxidation of the precipitate is satisfactorily prevented, and the result is nearly that required by theory. One naturally asks why a sample should be so much more dense, as No. 2 is compared with No. 1, when the bismuth is about the same quantity. Is it saline matter present from faulty process, or left in with the impression that it is necessary to give stability? Assuming that the liquor contains only citrate of bismuth and ammonia, boiling with calcium hydrate in excess should precipitate all the bismuth as citric acid, leaving in solution only ammonia and traces of the other constituents, which, of course, are not absolutely soluble. Operating in this way upon the sample No. 5 in the table above, there was a considerable residue, but with No. 1 there was a residue of only 0.4 from fl. 5j. consisting of calcium citrate with a trace of bismuth. Probably, if more were taken to maintain the boiling temperature during filtration and washing, the residue on evaporation would have been even less† in those cases where no nitrates or other extraneous salts were present. In samples such as Nos. 5, and 2, the evolution of nitrous fumes on the addition of an equal volume of strong sulphuric acid is quite sufficient without any more refined evidence, but where the quantity is very small, it is better to have recourse to the customary testing with ferrous sulphate or indigo, and the filtrate from the lime precipitate or the residue of the same may be used with advantage for this test.

## Bicycle Sundries.

### CEMENT FOR TYRES.

|                       |     |     |     |           |
|-----------------------|-----|-----|-----|-----------|
| (1) Isinglass ...     | ... | ... | ... | 1/2 oz.   |
| Guttapercha ...       | ... | ... | ... | 1/2 oz.   |
| Caoutchouc ...        | ... | ... | ... | 1 oz.     |
| Carbon bisulphide ... | ... | ... | ... | 4 fl. oz. |

Mix and dissolve.

|                 |     |     |     |        |
|-----------------|-----|-----|-----|--------|
| (2) Shellac ... | ... | ... | ... | 2 oz.  |
| Guttapercha ... | ... | ... | ... | 2 oz.  |
| Red lead ...    | ... | ... | ... | 90 gr. |
| Sulphur ...     | ... | ... | ... | 90 gr. |

Melt the shellac and guttapercha, and add, with constant stirring, the red lead and sulphur, melted. Use while hot.

To test the excess in a solution holding in suspension so large a bulk of sulphide, transfer a drop to a sheet of white filter-paper, a margin of clear liquor will spread around the black centre; a drop of sulphhydrate applied to this clear margin will develop no colour in it if the sulphhydrate added to the bulk has been in sufficient quantity.

The citrate of calcium which precipitates from the solution on being being redissolved if left in contact with the liquors as they cool.

|                                                                             |     |     |     |         |
|-----------------------------------------------------------------------------|-----|-----|-----|---------|
| (3) Caoutchouc ...                                                          | ... | ... | ... | 2 oz.   |
| Resin ...                                                                   | ... | ... | ... | 140 gr. |
| Shellac ...                                                                 | ... | ... | ... | 100 gr. |
| Carbon disulphide, a sufficient quantity to dissolve the other ingredients. |     |     |     |         |
| (4) Crude rubber ...                                                        | ... | ... | ... | 1/2 oz. |
| Carbon disulphide ...                                                       | ... | ... | ... | 4 oz.   |
| Macerate twenty-four hours, and then add a solution of—                     |     |     |     |         |
| Resin ...                                                                   | ... | ... | ... | 1 oz.   |
| Beeswax ...                                                                 | ... | ... | ... | 1/2 oz. |
| Carbon disulphide ...                                                       | ... | ... | ... | 4 oz.   |

### PUNCTURE-CEMENT.

A recently patented preparation for the automatic repairing of punctures in bicycle-tyres consists of glycerine holding gelatinous silica or aluminium hydrate in suspension. Three volumes of glycerine are mixed with 1 volume of liquid water-glass, and an acid is stirred in. The resulting jelly is diluted with 3 additional volumes of glycerine, and from 4 to 6 oz. of this fluid are placed in each tyre. In case of puncture the internal pressure of the air forces the fluid into the hole, which it closes.—*American Druggist*.

## Wills of Deceased Chemists.

The will of Mr. John Stewart, chemist and druggist, Birkenhead, who died on February 23, 1896, has been proved by Mrs. Stewart, the widow and sole executrix of the testator, whose personalty amounted to 381*l.* 16*s.* 1*d.*

The will of Mr. M. H. Jones, Upper Street and 69 Essex Road, Islington, chemist and druggist, who died on November 26, 1895, has been proved by Mr. T. H. Palmer, 279 Essex Road, and Mr. P. R. Hughes, 98 Calabria Road, Highbury; the personalty amounts to 527*l.* 8*s.* 5*d.*

The will of the late Mr. John Westlake, chemist and druggist, Sutton, Surrey, who died on November 30, 1895, has been proved by Mrs. Catherine Westlake, the widow and surviving executrix of the testator, whose personalty is sworn at 806*l.* 17*s.* 6*d.* gross and 794*l.* 5*s.* 6*d.* net.

The will of Mr. George Hawthorne, of Leamington, chemist and druggist, who died on May 23, 1896, has been proved by the widow and by Messrs. A. Pywell, of Melton, Mowbray, and A. Sole, of Coventry, by whom the personalty is sworn at 6207*l.* 13*s.* 5*d.* gross and 2,865*l.* 12*s.* 3*d.* net.

The will of the late Mr. Walter Maignall, chemist and druggist, 77 Carlisle Road, Bradford, who died on October 21, 1895, has been proved by Mrs. Maignall, the widow, Mr. Rufus Moulson, the other executor, having renounced; the testator's personalty is sworn at 745*l.* 7*s.* 9*d.*

The will of Mr. Wm. Cullerne, chemist and druggist, of Melbourne, who died on December 19, 1895, has been sealed in London, and administration granted to Mr. D. F. Rutter, attorney to Mr. W. H. Parkinson, testator's son-in-law and executor; the personalty in England is sworn at 20*l.* 17*s.* 7*d.*

The will of Mr. Walter Edward Hartley, chemist and druggist, 85 Southcote Road, Bournemouth, who died on October 20, 1896, has been proved in London by Mr. Anderson Forsythe, Beech House, Whitwell, doctor of medicine. The personalty amounts to 1,475*l.* 2*s.* 7*d.* gross and 1,437*l.* 7*s.* net.

The will of Mr. J. T. Williams, pharmaceutical chemist, Nelson Street, Swansea, who died on May 25, 1896, has been proved in London, with a codicil, by Mrs. Williams, the widow, and Mr. John Rees, 37 Hanover Street, Swansea; Mr. T. B. Watkins, a nephew and other executor nominate, having renounced probate. The testator's personalty is sworn at 2,262*l.* 17*s.* 3*d.* gross and 2,160*l.* 16*s.* 9*d.* net.

The will, with two codicils, of Mr. William Gulliver, pharmaceutical chemist, 6 Lower Belgrave Street, who died at his residence, 26 Rowfant Road, Balham, on November 12, 1896, has been proved by his sons, Mr. Wm. Inche Gulliver, pharmaceutical chemist, and Mr. Walter Fredk. Gulliver, pharmaceutical chemist, both of 6 Lower Belgrave Street, by whom the testator's personalty is sworn at 5298*l.* 5*s.* 4*d.* gross and 5264*l.* 5*s.* 10*d.* net.

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TO DRIVE IT SUCCESSFULLY YOU MUST USE

**Fletcher's Concentrated Liquors.**

**INJUNCTIONS AGAINST CHEMISTS.**

WE are never eager to take up the defence of any chemist  
 who infringes the trade-mark or other rights of manu-  
 facturers. Everybody has a right to his own, and it is  
 desirable that this principle should be clearly grasped by  
 everyone engaged in business. At the same time, it should  
 be borne in mind by wealthy manufacturing firms that there  
 are great differences between infringements. The retailer  
 who, for the sake of an extra penny or two profit, makes a



practice of going as near to the edge of his rights as he dare deserves far less sympathy when he does overstep those rights than the other who by inadvertence "passes off" something he has in stock for the manufacture of a certain firm. No manufacturer is bound to give notice of his intention to prosecute before beginning an action, but it is generous on his part to do so, and in many cases it is ungenerous not to do so. These little actions for injunction, practically uncontested though they may be, cost defendants somewhere between 50% and 100% each and moreover advertise the goods beneficially and the defendant adversely. Rich firms can make sure of their just rights without being too eager to resort to the Courts.

This remark is suggested by two recent cases—one reported last week, and the other in the present issue. In the former an injunction was applied for and practically granted against a Leeds chemist, who had overlooked the relabelling of two bottles of Apenta water, in accordance with the order made by Mr. Justice Kekewich in the action between Mrs. Saxlehner and the Apollinaris Company. The Apollinaris Company have done all they could to bring the order to the knowledge of their customers, and in this particular case their representative explained to Mr. Brown personally what the law required of him as regards Apenta water. For Mr. Brown, as he stated in his affidavit, does "not take in trade newspapers." Acting on the advice of the Apollinaris Company, he counted the bottles he had in stock and made the total come to fourteen. The company supplied him with fourteen new labels, which he stuck on the bottles after he had washed the old ones off. It appears, however, that he overlooked two bottles bearing the old labels in his window. But an emissary of Mrs. Saxlehner's saw them and reported the fact to London. A lithographed letter asking for the delivery up of the labels and capsules bearing the word "Hunyadi," and an undertaking (but not asking for any costs), was sent to Mr. Brown. It was also intimated that failing compliance legal steps must be taken. There was no response, and twelve days later another application was made to him. This was returned with a curt response, the defendant intimating that he did not understand the reference, and that he had no time to read all the circulars that came to him. The next step was the service of the writ.

The second case is reported this week. A firm of chemists at Lincoln were asked twice verbally and twice in writing for some Colman's blue, and in every case they supplied blue not of Colman's make. No opportunity for explanation or repentance was given; the writ was served.

Both of the defendants in these cases are to blame; very much to blame, we think. But no chemist and druggist engaged in fairly active business can fail to see how easily such blunders may occur. The two bottles of Apenta water snugly stowed away in a corner of the window and forgotten when the relabelling ceremony was gone through; what could be easier, especially on the part of a chemist who does not take in the trade newspapers? At all events there was no intention to defraud. In the other case, too, the offence is easily accounted for. Customers are coming in all through the day with verbal and written messages in all stages of unintelligibility, and the weary assistant is on the constant strain to supply what he makes out is wanted. It is ridiculous to suppose that in this instance, any more than in the other, there was the smallest shadow of an intention to trespass on anybody's rights. In both cases the defendants were men of reputation, and there was no question of personal gain involved. If they had sold watered spirit of nitre, or tincture of rhubarb destitute of saffron, they would have been fined a sovereign, perhaps; for a piece of thoughtlessness involving a merely

technical infringement of proprietary rights they are involved in lawsuits which cost, probably, fifty times as much.

We are aware that for the benefit of the legal profession the courts must be supplied with cases, but the Judges are expected to administer justice, and they ought to distinguish between fraudulent and merely accidental offences. We do not expect them to deprive anyone of justice, but it would not be unfair to make it somewhat expensive for big firms to use the courts for the establishment of claims which nobody wants to dispute.

### THE PHARMACEUTICAL CONFERENCE.

ON Monday, August 9, the British Pharmaceutical Conference will meet in Glasgow for the second time in its history. A good meeting is expected. The local committee have been working in a quiet but methodical way for the comfort and pleasure of visitors, and the programme which they have arranged is most attractive. Nor have the headquarter officers neglected the intrinsic part of the Conference. The business proceedings will commence on Tuesday morning, August 10, with the usual reports, after which Dr. Charles Symes, pharmaceutical chemist, Liverpool, will deliver a presidential address, which for originality and practical knowledge will, we anticipate, be memorable. We are informed by the Honorary Secretaries that the following papers have been promised:—

1. "Pharmacy Past and Present," by Thos. G. Forshaw, M.P.S.
2. "Note on the Word 'Asafoetida,'" by Dr. John Attfield, F.R.S.
3. "Our Present Knowledge of the Mydriatic Group," by Gordon Sharp, M.D.
4. "Pharmaceutical Ethics: a Retrospect," by Leo Atkinson.
5. "Medicinal Petroleum," by F. C. J. Bird.
6. "Phosphates and Platinum," by W. G. Stratton.
7. "Liquor Bismuthi et Ammonii Citratis," by W. G. Stratton.
8. "Strength of Commercial Samples of Alkaline Tinctures," by Clarence A. Seyler, B.Sc., F.I.C.
9. "Note on Some Soluble Compounds of Arsenic," by Professor G. G. Henderson, M.A., D.Sc.
10. "The Pharmaceutical Value of Sumatra Benzoin," by Thomas Dunlop, Ph.C.
11. "Hypophosphites," by Charles T. Tyrer, F.C.S.
12. "Some Observations on Organotherapy," by J. C. MacWalter, L.R.C.S.I., &c.
13. "Further Note on the Pharmacy of Conium Maculatum," by E. H. Farr, F.C.S., and R. Wright, F.C.S.
14. "Further Observations on Oil of Citronella," by J. C. Umney, F.C.S., and R. S. Swinton.

Other subjects may be added to the list before the meeting, and any persons who wish to make a communication should write to the Hon. Secretaries at 17 Bloomsbury Square, W.C. All inquiries in regard to the local arrangements should be made to Mr. J. Anderson Russell, Local Secretary, 212 New City Road, Glasgow, and the sooner the better, as this is a case of "first come, first served." We may state for the benefit of those who are going to the Conference from the London district that a steamer for Glasgow leaves St. Katherine's Dock on Thursdays, arriving in Glasgow on Saturday. Another leaves on Fridays. Particulars may be obtained from the Clyde Steamship Company, 133 Leadenhall Street, E.C. One of the best trains to travel by for those who leave before Monday is the 11.30 A.M. from Euston, which arrives in Glasgow at 7.55 P.M. It is a corridor-train, with dining-cars for first and third class passengers.

### THE EDINBURGH MAJOR.

SCOTTISH pharmacists will observe that the failures in the Major examination at Edinburgh have again been complete, four candidates having presented themselves and failed to

satisfy the examiners. The central authorities have expressed their anxiety that there should be more Major candidates in Scotland, as it is necessary that the supply of pharmaceutical chemists should be maintained across the border in order that vacancies in the Board of Examiners may be filled by Major men. It is, therefore, regrettable to notice that the candidates, though numerous, fail to reach the standard of the Board. It is right that it should be noted that Major candidates have much increased in number during the past few years. Formerly half-a-dozen a year was about the average; now, it will be seen from the subjoined figures, the average is double:—

|          |    |            |          |     |   |        |
|----------|----|------------|----------|-----|---|--------|
| 1892 ... | 14 | candidates | examined | and | 8 | passed |
| 1893 ... | 7  | "          | "        | "   | 2 | "      |
| 1894 ... | 11 | "          | "        | "   | 4 | "      |
| 1895 ... | 16 | "          | "        | "   | 8 | "      |
| 1896 ... | 19 | "          | "        | "   | 6 | "      |
| 1897 ... | 10 | "          | "        | "   | 1 | "      |

These figures are not creditable to Scottish pharmacy, the results of the examinations held this year being particularly appalling—of ten candidates examined one has passed! There may be duplicates or triplicates amongst them—*i.e.* the same persons examined twice or thrice—but that does not mend matters, and it is time that all persons concerned should endeavour to remove the cause of the rejections. It will be observed that the failures have increased since professorial examiners were added to the Board; is there a connection between the two facts? There is to some extent because the examination as now conducted requires more systematic training than formerly, and it seems that Scottish candidates have not adapted themselves to the new condition, so that by depending too much upon home-reading and unsupervised practical work they find themselves unequal to the tasks set to them by men engaged in systematic scientific teaching. There is no excuse for this in view of the fact that the large towns of Scotland are as well equipped with science schools as any others in the country and in these it is possible to obtain such instruction in practical botany, chemistry, and physics as will meet the examination requirements. It must be a thorough training, for anything in the nature of a "grind" to meet examiners' peculiarities is waste of time for the Major. We consider that the standard of the examination, so long as it confers a distinction rather than a qualification, should be maintained, and in view of the fact that the Edinburgh and London examinations are practically identical, it is all the more regrettable that the Edinburgh results should be so poor.

### BRITISH PHARMACEUTICAL RECIPROCITY.

#### III.

IN considering the question of Imperial reciprocity in pharmaceutical qualifications, the fact need not be overlooked that there is some sentiment in it; indeed, that is the commonest objection which has been advanced against the suggestions which have been put forward on this score. We do not discuss that statement chiefly because we are not a sentimental journal; also on account of the fact that as a journal of pharmacy we come into touch with the whole British Empire, and we find that the drug-trade in every part of it where there is a pharmacy law desires to be affiliated with or follow the mother-country. That desire must be recognised, and whether there is sentiment in it or not (and that we Britishers have a good deal of sentiment in our composition no one denies), the question should be considered: What have the Pharmacy Boards of Greater Britain done in promoting the standard of education in the craft to

entitle their present appeal to consideration? We propose in the present article to give the facts as they are in regard to Canada and the Cape, reserving Australasia for our next article.

First we may deal with centres nearest Great Britain, but excluding Ireland—*viz.*, North America. In Canada there are no fewer than six pharmaceutical bodies controlling the qualifications of those practising pharmacy. The Acts under which these bodies work are all modelled upon the British Pharmacy Act of 1868, with modifications dictated by the exigencies of localities, and occasionally with educational improvements upon the home model. The subjoined table contains the essential particulars of the conditions for registration as a fully-qualified pharmacist in the respective provinces:—

| Province          | When founded | Preliminary     | Years' training | For registration                                       |
|-------------------|--------------|-----------------|-----------------|--------------------------------------------------------|
| Ontario ...       | 1871         | Classical exam. | Four            | Two sessions at College and examination                |
| Quebec ...        | 1871         | Ditto           | Three           | Intermediate exam., two Col. sessions, and qual. exam. |
| Nova Scotia       | 1876         | Ditto           | Three           | Examination                                            |
| Manitoba ...      | 1878         | Ditto           | Four            | Like Quebec                                            |
| New Brunswick ... | 1884         | Ditto           | Three           | Examination                                            |
| British Columbia  | 1891         | ?               | ?               | Examination                                            |

The conditions of qualification in Ontario and Quebec approach the British ideal, since they include compulsory attendance upon courses of lectures in botany, chemistry, materia medica, and (in Ontario) pharmacy and practical pharmacy. The Preliminary examination in Quebec is somewhat fuller than the present British one, as it contains French, geography, and history, while the Ontario examination has algebra, but no Latin. In the other provinces evidence of having a sound education is required—this practically amounting to evidence that the candidate has passed all his school examinations. In no case does the Society charged with registration exercise direct control over the actual conduct of Preliminary examinations, as they leave that to purely scholastic bodies much in the same way as the British Pharmaceutical Society are proposing to do. Although Ontario does not recognise an assistants' examination as Quebec does, students must pass a college examination at the end of the first year's course of study before they are allowed to proceed to the second course. The qualifying examinations in Ontario and Quebec are on a level with the British Minor, the subjects are the same, and the method of conducting the examination better, for it includes written papers as well as oral and practical examinations. The other provinces are not so far ahead, none but Manitoba requiring evidence of study, and the examinations are adapted to local requirements, especially the ensuring of safety, rather than aiming at a high educational standard, which sentiment undoubtedly controls pharmaceutical education in the first-mentioned provinces. Besides the Canadian qualifications it should be noted that in the West Indian Islands, such as Barbados, Jamaica, and Trinidad, standards of pharmaceutical qualification are enforced. These consist of evidence of good school training, three years' experience in pharmacy, with, in some cases, evidence of practical training in chemistry, and the passing of an examination in our Minor subjects, botany, etc.; etc.



Turning to South Africa we find regulations in force in Cape Colony and Natal for ensuring that persons who trade as chemists and druggists are properly qualified. A Preliminary examination is enforced in each case, with three years' practical training, and the passing of an examination modelled on the British Minor. In the practical subjects (except chemistry and botany) the standard required is substantially the same as in our own. This we do not judge so much from the printed regulations as from the statements of Cape and Natal examiners who have seen our examinations as well as their own, and who state that, while they do not aim at being so scientific as Bloomsbury, they do enforce a practical standard, especially in pharmacy and dispensing, as high as the home one.

### GOVERNMENT AND FOREIGN COMPETITION.

THERE is a good deal to be said in favour of the old theory that industry flourishes in proportion as it is kept free from State interference, and that each man's self-interest must prove each man's best teacher. But, whether for good or ill, those views are now regarded as antiquated, and every new effort of Government to teach merchants and manufacturers their business is hailed with acclamation. There was a chorus of approval at Mr. Chamberlain's circular on the subject of the alleged encroachment of foreign goods in our colonial markets, and now the President of the Board of Trade has followed in the footsteps of the Colonial Secretary. He has appointed a Committee, consisting of representatives of the Treasury, the Foreign and Colonial Offices, the Board of Trade, and the Association of Chambers of Commerce, "to consider and advise as to the best means of bringing to the knowledge of the home trades the information furnished by Consuls and commercial *attachés*, and by agents-general and other representatives of Colonial Governments, and of India, as to the supply and demand and other conditions of the markets in their respective districts, and as to the opportunities which they afford for the introduction and development of British trade." The Committee are further "to report whether they think it desirable that Consuls and agents should be instructed to emit home from time to time samples of goods most in demand in markets, and, if they shall be of that opinion, to advise what (if any) arrangements should be made for the exhibition of such samples in London or for their circulation, with the aid of Chambers of Commerce, to the provincial trade centres, with information as to price and other conditions under which they are supplied."

We have no doubt that the Committee will be unanimous in advising the purchase and exhibition of samples, and that they will urge the sending of more frequent information on trade matters by Consuls and other official agents; and we therefore look forward to the pleasure of having to pick out of a huge mass of undigested material, in the shape of Consular reports and sample-collections, those bits of information which are interesting to the drug-trade.

We do not complain of that at all. It is our business; and if Government did not supply the information, we should probably get it all the same, in course of time, from private sources. But as Government are going to spend their time and money in collecting a mass of data, we shall be glad to play the part of pickers and winners.

Perhaps we may give a hint or two to the Board of Trade Committee. In the first place, we would suggest that they should remember that a trade journal is the proper means of bringing matters relating to the branch it represents to the

knowledge of the whole of that trade. There is already an industry in this country that does not support one or more journals. Let the Board of Trade see to it that when a Consul or other agent abroad sends in a batch of samples or a report relating to the drug-trade in his district, the editor of THE CHEMIST AND DRUGGIST be promptly informed where the samples can be seen, or supplied with a copy of the report. When the information is of interest we shall always be pleased, in the ordinary course of journalism, to become the means of spreading it throughout the drug-trade of the Kingdom. The Colonial Office recognised this fact when, in February, 1896, it promptly supplied this journal with a letter it had received from New Zealand on foreign competition in the drug-trade of that colony. We are sure that our publication of that letter did more to probe the extent of foreign encroachment upon our trade in that colony than could have been done by the publication of the letter in any number of Blue-books.

Our Consuls abroad have long been in the habit of sending samples of goods saleable in their districts to the Foreign Office along with their reports. The reports are read by very few business people. That is partly because of the way in which they are dished up, but chiefly because the average business-man does not know where to procure them. Whatever of usefulness the reports achieve is due to the newspapers who buy them, cut them up, and garnish them with the sauce of comment to suit their readers' palate. The samples are sent to the Association of Chambers of Commerce, who put them on show in a room in Westminster (where it is safe to say that no mortal manufacturer's eye ever sees them), and then distribute them to the centres specially interested in the various kinds of goods. The last-named step is a useful one, for, in provincial centres at any rate, Chambers of Commerce are actually living organisations. If it be desirable for Government to collect samples, it is also proper that these samples should be made as accessible as possible.

But we are by no means sure that it would not, after all, be as well to let our traders find out for themselves what is wanted. Government may aid them by instructing their agents to assist British inquirers as much as possible, at a reasonable fee; but the business with most foreign countries is carried on by wealthy firms who are generally more intimately acquainted with the needs of those markets than a Government agent is likely to be. We are far from suggesting that official sample-collecting and reporting are useless, but there is a dangerous tendency to magnify their importance. At best they can be no more than a minor aid in the struggle for the world's markets. It is not their Consuls who have enabled the foreigners to compete successfully with us in certain branches of trade. The British Consular reports are better than most others. Our capacity for holding our own depends chiefly upon the calibre of the men in our workshops and the employers in our offices.

### LIQUOR BISMUTHI.

Mr. Proctor, in his paper on "Liquor of Bismuth," on page 118, opens up a question which we have on several occasions called attention to as requiring investigation; and it will be noticed that Mr. W. G. Stratton is to communicate a paper to the British Pharmaceutical Conference on the same subject, following up some suggestions made by us. We anticipate that he will settle several of the points now raised by Mr. Proctor, whose paper we would commend to young pharmacists as an excellent example of work which can be done in business hours.

## A GROCERS' BENEVOLENT FUND.

At their recent Conference at Liverpool the Federation of Grocers Associations founded a Benevolent Fund. The scheme was laid before the Conference in a carefully-thought-out paper by Mr. A. W. Giles, the Secretary of the Federation, who proposed to aim at an invested fund of 50,000*l.* and an annual subscription-list amounting to 5,000*l.* Messrs. Lever Brothers started the fund with a donation of 1,000*l.*, and they promise to give 4,000*l.*, mostly in the form of additions to local collections. That is to say, if any local association will collect 300*l.* to contribute to the general fund, Messrs. Lever Brothers will add another 100*l.* to it.

## OUR STUDENTS' CORNER TOURNAMENT.

There are now completed five out of the six competitions upon which we are to award books and certificates to three students who secure the highest aggregate of marks during the six months. The state of the poll at the present is as follows (we select the first six):—

|                    |     |                  |     |
|--------------------|-----|------------------|-----|
| E. O. Ockenden ... | 481 | Phosphycin ...   | 465 |
| W. G. Stratton ... | 479 | W. J. Lacey ...  | 462 |
| A. E. King ...     | 470 | Van-de-burke ... | 459 |

We cannot identify "Tyers" at the moment; but if he is the second prizeman of last week, he should stand third in above list with 474.

## CLIENT OR CUSTOMER.

A Lancaster chemist sold his business, and, in the circular announcing the change, the retiring chemist recommends his successor, who will, he is confident, "conduct the business to the entire satisfaction of his *clientèle*"; while the incoming pharmacist states that it shall be his aim "to anticipate and comply with all the requirements of his clients." A correspondent of a local paper, signing himself "Anglo-Saxon," writes very properly criticising this incorrect use of the word "client" in place of customer. The practice is growing; there is an idea that it looks or sounds more professional to have clients than customers. As a matter of fact, this is not the case. The Roman patricians (who were known as "patrons") all had a number of poor vassals who had placed themselves under their influence and protection, and who were the "*clientes*" of the great men. The application of the term to the persons who sought the aid and protection of a lawyer was a natural extension of its meaning; but the trader who applies it to those whom perhaps he also calls his patrons is confusing the meaning of the words.

## MONEY PAID INTO COURT.

With all deference to the eminent Commissioner who presides over the City of London Court, we cannot but think there is one respect in which that Court might improve its way of doing business. It appears to be possible for a defendant against whom judgment has been obtained in that court, to pay the debt and costs, and for the money so paid to lie in the court for six years—perhaps for ever. We report a case this week from which it appears that it is the practice of the Court to hold such money without saying anything about it for six years; but after that period, says our reporter, "the officials of the court exhibit in the vestibule of the court-house a list of unclaimed balances due to the various suitors." We presume, in the first place, notice of the payment was given to the plaintiffs, and if so they have only themselves to blame. But why, when it is resolved to announce the payment again, should the publication be limited to "the vestibule of the court-house"? If we found a purse and kept it hidden for six years, and then announced the find on the top of Ben Nevis, the case would be almost parallel. Not quite, however, for the Court has all the time known exactly whom the money belonged to.

## Prescription-reading Competition for Assistants and Apprentices.

5.19.92  
 R Spirit. salviae gr 50  
 Detur ad vitrum album  
 S.: To be mixed 20 drops  
 in half a tumbler  
 of water.  
 D.S.: For external use  
 — Coots, Esq.

The facsimile prescription which was printed in THE CHEMIST AND DRUGGIST of May 22 has elicited thirty-three replies, no fewer than twenty-two of which, to all intents and purposes, are correct. The prescription does not present the same difficulties that have characterised some of those which have previously appeared in our columns. It can hardly be classed among the illegible ones, for, as prescriptions go, it is tolerably well written. The difficulty to English pharmacists consists in the uncommonness of the drugs employed, and in the differentiation of their nomenclature. To those dispensers, however, who are accustomed to handle foreign (and especially German) prescriptions this one (emanating from Dr. Deetz, of Homburg) presents no insurmountable obstacles. It is extremely gratifying nevertheless to find so large a number of English assistants and apprentices able to decipher what at first sight looks like an insoluble enigma.

The prescription should read as follows:—

5.19.92.  
 R Spirit. salviae ... .. gm. 50  
 Detur ad vitrum album.  
 S.: To be mixed twenty drops in half a tumbler of water.  
 R Spirit. saponati  
 „ serpylli aa ... .. gm. 50  
 D.S.: For external use.  
 — Coots, Esq. DEETZ.

Of the twenty-two successful competitors only one has succeeded in deciphering the names of both patient and doctor. This is

Mr. S. MANNERS (assistant with Messrs. Hodgkinsons, Clarke & Ward), 1 Barford Street, Liverpool Road, N.

He is therefore the prize-winner on this occasion. The prize is a copy of Remington's "Pharmacy." Four others follow very closely, and only fail by misnaming either prescriber or patient:—

Mr. A. Downing, 46 George Street, Plymouth.  
 Mr. T. Kempston, Mr. G. Jozeau, 49 Haymarket, W.  
 Mr. G. Lurecock, Mr. F. S. Horsey, 2 Chichester Street, Upper Westbourne Terrace, W.  
 Mr. G. H. Scott, Messrs. Frizell & Co., 1 Cranbourne Street, W.C.



The next three have patient's and doctor's names both wrong:—

Mr. C. H. Belcher, Mr. H. R. Browne, 1 Cornfield Road, Eastbourne.

Mr. O. Froedman, S. Boyd (Limited), 46 Mary Street, Dublin.

Mr. C. Morley, Mr. A. W. Waring, 3 Bucklersbury, E.C.

The following fourteen have their results vitiated, in addition, by errors such as "*ex vitrum album*," "*ad vitrium album*," "*spiriti salviae*," "*spirit. serpyllis*," "*spirit. serpyllis*," "*spirit. serpylli*," "*spirit. serpylli*," "*spirit. serpylli*":—

Mr. A. V. Dewdney, Messrs. Godfrey & Cooke, 30 Conduit Street, W.

Mr. T. J. Evans, Messrs. J. Munro & Co., 273 Regent Street, W.

Mr. F. W. C. Firman, Messrs. Collis & Williams, Sda Reale, Valetta, Malta.

Mr. F. J. Giles, Mr. F. Cresswell, 4 Elm Terrace, Sidecup.

"Hillier," Dispensing Department, Army and Navy Stores.

Mr. E. Jouannis, Messrs. Ginner & Co., Cannes, France.

"Migraine," Messrs. Squire & Son, 413 Oxford Street, W.

Mr. A. C. S. Norman, Mr. J. R. Marten, 40 London Road, Brighton.

Mr. H. O'Connor, Messrs. Evans, 49 Dawson Street, Dublin.

Mr. J. A. Rambant, Mr. J. Parrott, Richmond.

Mr. G. Speechly, lately with Messrs. Willet & Co., Port Elizabeth, C.C.

Mr. W. O. Thomas, Dr. J. Jarvis, 20 Rue Serviez, Pau, France.

Mr. F. Wilmott, Messrs. Roberts & Co., 5 Rue de la Paix, Paris.

Mr. H. E. Watt, 20 Lynn Street, West Hartlepool.

Among the eleven unsuccessful candidates three have entered the first item on the prescription as "*spirit sal volatile*." Several others have stumbled over the direction "*D. ad vitrum album*" (dispense in a white bottle). One read it as "*S. in vitelli albumen*" (to be taken in the white of an egg); another suggested "*S. ad solv. album*" (till the solids are loosened). Yet another offered "*Take the white variety (of sage)*"; while a fourth read *D. ad vitrum album* as *veratrum album* or mother tincture of white elebore.

The first ingredient of the second half of the prescription as read as *spirit. raforanti* by three competitors, who supposed that spirit of horseradish (*raphanus*) was thereby indicated. One correspondent suggested *spirit. aurantii*, another ventured *spirit. sapineae* (*tir*), and a third *spirit. saponarie* (soapwort).

The second ingredient (*spirit. serpylli*) was variously rendered as "*spirit. earophylli*," "*spirit. jerfyllis* (cloves)," and "*spirit. serphylli* (juniper)."

The name of the patient (Coots) came in for a great variety of treatment, including Booth, Cook, Toots, and ooty, while two competitors read "Coots, Esq.," as "*tooth sence*." The prescriber's signature proved just as great a puzzle, among the suggestions being E. J., D. W. G., Dr. E., and Dr. G. One ingenious competitor actually read it as "deaf," and made the directions run "*For external use to the deaf ear*."

The spirits of sage (*Salvia officinalis*) and wild thyme (*Thymus serpyllum*) in the above prescription, like most of the spirits in the German Pharmacopœia, are made by distillation.

|                         | Parts |
|-------------------------|-------|
| Herb ... ..             | 1     |
| Rectified spirit ... .. | 3     |
| Water ... ..            | 3     |

Distil 4.

The soap spirit is also official, and is made by direct combination.

|                           | Parts |
|---------------------------|-------|
| Olive oil ... ..          | 6     |
| Solution of potash ... .. | 7     |
| Rectified spirit ... ..   | 30    |
| Water ... ..              | 17    |

Heated together in a water-bath until saponification is complete, ss of spirit by evaporation being afterwards made good.

## New Companies and Company News.

**TEREZOL COMPANY (LIMITED).** Capital 20,000*l.*, in 100 shares. To acquire the business of furniture polish manufacturers carried on by H. F. Cockill & Sons (Limited), 20 Pendleton, near Manchester, and 8 Union Court, Old Broad Street, London.

**BAX & CO. (LIMITED).**—Capital 2,000*l.*, in 1*l.* share. Objects: To acquire, take over and carry on the business of chemists, druggists, mineral water vendors and medicated wine merchants carried on at 131 High Street, Putney, London, S.W., as "*W. V. Wright & Co.*," and to enter into an agreement with William R. Beer. The first subscribers are:—Wm. R. Beer, chemist's assistant (100 shares); Miss M. A. Beer (50), and Mrs. M. A. Beer (100), all of 131 High Street, Putney; G. H. Bond, 133 High Street, Putney (1); Frederick Davis, 24 Peacock Street, Newington, S.E., clerk (1); Albert S. Newman, 6 Sears Street, Camberwell, clerk (1); Harry Phippard, 92 Wycliffe Street, Lavender Hill, S.W., clerk (1); Harry E. Andrews, 2 Spencer Terrace, Putney, chemist's assistant (1). Registered without articles of association.

**NATIONAL DRUG COMPANY (LIMITED).** Capital 2,000*l.*, in 1*l.* shares. To acquire the business carried on by Thomas Redford at 30 Londesborough Street, Hull, and elsewhere under the style of "*The National Drug Stores*," to enter into an agreement with him for the purpose, and to carry on the business of chemists, druggists, drysalter, oil and colourmen, &c. The first subscribers (each with one share) are:—Thomas Redford, druggist, and Mrs. Annie M. Redford, 30 Londesborough Street, Hull; Arthur A. Spivey, 33 Paragon Street, Hull, assistant; Mrs. R. Spivey, Miss E. Spivey, Miss A. Spivey and Miss C. Spivey, all of 18 Aswell Street, Louth. The first directors are:—Thomas Redford (Chairman and Governing Director), and Arthur Spivey. Renunciation, as the company may decide. Registered at 30 Londesborough Street, Kingston-upon-Hull.

**DAY'S METROPOLITAN DRUG COMPANY (LIMITED).**—Capital 100,000*l.*, in 1*l.* shares. Objects: To enter into an agreement with Day's Southern Drug Company (Limited), for the acquisition of certain businesses situate in or around London, and to carry on the business of wholesale and retail chemists, and manufacturers of and dealers in perfumes, patent medicines, proprietary articles, photographic materials, &c. The first subscribers (each with one share) are:—John Booth, 182 High Street, Southampton, chemist; Wm. J. Thomas, same address, chemist; Henry Morton, 96 St. Mary Street, Southampton, chemist; Josiah Ward, Alfred Taylor, 141 Bevels Hill, Southampton, chemists; Ernest Atkins, 53 London Road, Southampton, chemist; Wm. Alderslade, 107 Shirley Road, Southampton, chemist. The first directors are to be nominated by the subscribers. Qualification, 10 shares. Remuneration, 200*l.* per annum, and a percentage of the profits, divided between them. The following shareholders are also registered (each with one share):—Joseph H. Barnes, "Seldern," Hamilton Road, Southampton, chemist; Walter E. Pilgrimage, "Clyde Villa," York Road, Southampton, chemist; Edward J. Harris, 78 Old Christchurch Road, Bournemouth, chemist; Herbert T. Chettle, 78 Old Christchurch Road, Bournemouth, chemist; Wm. Latham, 34 and 35 The Triangle, Bournemouth, chemist; Edgar Curtes, 34 and 35 The Triangle, Bournemouth, chemist; Walter T. Johnson, Spencer House, Holywell Hill, St. Albans, chemist; Robert Hamilton, 98 High Street, Winchester, chemist; Wm. J. Baldwin, 347 Harrow Road, Paddington, chemist; George E. Norrish, 167 Upper Street, Islington, chemist; Jonah Milner, 13 Taunton Place, Regents Park, N.W., chemist; Simon Hendry, 35 Whitechapel Road, E., chemist; Robert N. Evans, 66 London Road, S.E., chemist; Ernest A. Hodson, 301 Walworth Road, S.E., chemist; Charles R. Fairman, 6 Paulet Road, Camberwell, S.E., chemist; Wm. Robinson, 289 Old Kent Road, S.E., chemist; Robert Black, 28 Fencers Road, Streatham, chemist; Wm. T. Jenkins, 38 Broadway, Deptford, chemist; Chas. E. Akeroyd, 22 Crescent Road, Plumstead, S.E., chemist; Joseph Benjamin, 108 Wellington Street, Woolwich, chemist; David Evans, 40 Rectory Grove, Woolwich, chemist; Wm. Thomson, 22 Crescent Road, Plumstead, chemist; Frank H. Exer, 18

Palmer Road, Leyton, chemist; Stephen Jones, 26 Cathcart Hill, Dartmouth Park, N., chemist; Henry W. Barrett, Blackwall, Yard, Poplar, E., chemist; Frank L. Skeats, 86 Green Street, Upton Park, chemist; John Watt, 3 High Street, Salisbury, chemist; Thos. Goodman, 12 Archers Road, Southampton, chemist; Wm. Day, The Dell, Northlands Road, Southampton, managing director of Day's Southern Drug Company (Limited); Edward T. Pritchard, The Dell, Northlands Road, Southampton, physician and surgeon chemist; John H. Potter, 182 High Street, Southampton, chemist; Peter M. Akeroyd, 186 Queen's Road, Peckham, chemist; John Morgan, 17 Scylla Road, Peckham, chemist; Henry Neil, 77 Carter Street, Walworth, chemist; John E. Ferguson, 99 High Road, Streatham, chemist; Alfred W. Willmott, 2 Netherwood Terrace, Natal Road, Streatham, S.W., chemist; Herbert C. Broad, 115 High Street, Croydon, chemist; Cecil H. Parkinson, 50 George Street, Croydon, chemist; Frederick J. Bathe, 1 The Parade, Norwood Road, chemist and druggist; Richard A. A. Fry, The Bungalow, West Park Road, Southampton, chemist and druggist.

**PARKE'S DRUG-STORES.**—The directors announce the payment, on July 20, of the second half-yearly dividend on the preference shares, making 6 per cent. for the year.

**THE EMMABURG NATURAL TABLE-WATERS (LIMITED),** with a share capital of 150,000/., is an enterprise offered to the public. The Emmaburg Springs are situated near Calanine, on the Belgian-German frontier, and at Dolhain.

**W. B. FORDHAM & SONS (LIMITED).**—The directors of this company have declared an interim dividend at the rate of 7½ per cent. per annum, free of income-tax, for the half-year ended June 30 last, this being the uniform rate of interim dividend paid since the incorporation of the company.

**IDRIS & CO. (LIMITED).**—The directors of this company inform us that, in consequence of applications for the new issue of "A" preference shares having largely exceeded the required amount (notwithstanding the premium of 20 per cent. at which the issue is made), they have been compelled to disappoint a large number of applicants for allotments.

**THE REICHENHALL COMPANY'S** offer to chemists to give them twenty-five shares in the company gratis, on certain conditions announced by advertisement in this journal this and last week, has now come before us. Chemists and medical men are asked to apply for twenty-five shares in the company, and to pay for these by monthly instalments of 2s. per share per month—that is, 2l. 10s. per month for the twenty-five shares. For each payment of 2l. 10s. they will receive an assortment of the company's pine products to the retail value of 3l. 5s. 9d. The company say, in their circular, that the chemist will receive these goods "gratis," and also that the applicant will have got twenty-five shares which will "cost him nothing." As we understand the scheme, these statements are not both justified. The chemist is evidently required to pay for the shares or for the goods. He may debit his payment to which account he pleases. Presuming the pine products are saleable, the bargain is a very good one; but the applicant should understand that having applied for the shares he will be bound to keep up his monthly instalments.

**MAGOR (LIMITED).**—The prospectus of this company is published. It has been formed for the purpose of carrying on the business of wholesale manufacturing and retail chemists and druggists, and takes over eight shops and businesses at Birmingham, most or all of which appear to be in the occupation of Mr. Martin Magor, and one of which is to be converted into a wholesale and manufacturing business; the business at Dudley belonging to the Supply Stores Association (Limited); two businesses at Walsall belonging to Mr. Cornelius Bayley, and Mr. H. N. Grove; two businesses at West Bromwich, belonging to the New Supply Stores (Limited); and two businesses at Darlestone. A Birmingham firm of chartered accountants certify that these businesses are producing an average net profit of over 6,000/., per annum. The vendors have fixed the purchase price at the sum of 54,000/., payable as to 10,000/., in fully paid-up ordinary shares and as to the balance of 44,000/., in cash. The share capital is 60,000/., divided into 6,000 cumulative 6 per cent. preference shares of 5l. each, and

30,000 ordinary shares of 1l. each. This will leave 6,000/., for working capital, and the promoters say this will be sufficient for the fifteen shops, for equipping the wholesale factory (for which they allow 2,000/.) and for equipping other shops which they may add. Mr. Martin Magor, of Birmingham, Mr. H. W. J. Ince, of Dudley, and Mr. Cornelius Bayley, of Walsall, with Mr. H. F. Smith, of Regents Park, London, and Waterloo Street, Birmingham, and Mr. J. S. S. Wilders, M.R.C.S., of Harborne, are the directors. Mr. Magor is to supervise the wholesale factory; Mr. Ince (who is not a chemist and druggist) is to supervise and inspect the various retail shops of the company; and Mr. Bayley will control the businesses at Walsall.

## Personalities.

**MR. J. GREGORY**, third son of Mr. Councillor Gregory, chemist and druggist, Weymouth, has taken his diploma from the Faculty of Medicine of Paris.

AT the recent examination by the Lancashire and Cheshire Association of Institutes of Students in Spanish, Mr. Harold Wyatt, jun., was awarded a first with distinction, and was placed first in the Union.

**EXCELLENT** portraits of Dr. John Attfield, F.R.S., appeared in last week's *Graphic* and *Black and White*, in connection with the testimonial presented to him by his old pupils, who, remarks the *Graphic*, are now to be found filling important positions in all parts of the country and many parts of the world.

**PROF. H. H. RUSBY**, of the New York College of Pharmacy is to spend his vacation at Kew Gardens in the identification of his Bolivian plants. The professor has been appointed to the chair of materia medica and therapeutics at the Bellevue Medical College, New York, which he will hold at the same time as his Pharmacy College appointment.

**DR. J. C. THRESH** (county medical officer at Chelmsford) has just formulated a scheme to supply the district with nurses. He suggested, at a recent meeting in Chelmsford, the formation of an association, which he thought one-third of the parishes would join. If a rate of 10s. per 100 population were subscribed enough would be realised for three nurses. The scheme has been adopted.

**THE "little Frenchman"** who has been to Spitzbergen to superintend the departure of Mr. Andrée's balloon expedition to the Pole is an aeronaut, M. Machuron. A few years ago he had charge of a bottle-shaped balloon sent up over Paris by an enterprising English firm of perfumers. On that occasion the Paris correspondent of *THE CHEMIST AND DRUGGIST* accompanied M. Machuron in his ascent.

**MR. EDWARD EVANS**, of Liverpool, in the course of a conversation with the editor of the *Canadian Pharmaceutical Journal*, recently stated that, in spite of the general depression in business, and cutting, the business of his firm has quadrupled within the past few years, and he attributes that result largely to the fact of the firm stand they have taken in refusing to do business with any but registered pharmacists.

**AN AMERICAN ADVERTISING IDEA.**—Mr. Jacob Betzler, chemist, Roseville, Newark, N.J., opened a drug-store there on May 12. He had put in a fine new Puffer soda-fountain of onyx, and gave an opening day in the shape of "free soda." He advertised the fact in various ways, the most unique of which was the publication of a single issue of the *Roseville Pharmaceutical Gazette*. It was liberally distributed throughout that beautiful suburban town. It was a day to be remembered by Mr. Betzler's clerks, and it will also be remembered by the youth of Roseville. Mr. Betzler did not know there were so many schoolboys in his neighbourhood. They came on foot, and they came on bicycles. They seemed to spring up out of the ground; but Mr. Betzler is good-natured, and the more there were the happier he got. It certainly was a good advertisement says, the *Pharmaceutical Era*.



## Singeing the Sick Man's Celibishers.

(IMPRESSIONS OF GREECE BY A DISILLUSIONED PHARMACIST.)

"THE late Mr. Phil Helenic wants to see one of the editorial gentlemen," said the Boy.

Our Ghost Editor, who holds the *Borderland* certificate, and fears neither Man nor Mahatma, rose to wrestle with the Shade. This is his account of what took place.

"Late?" said the visitor (he had blue eyes, a shock of saffron-coloured hair, and a brogue). "Yes, late of the Philhellenic Legion. Now back to the Pill-Mill. Nothing has changed; there is only an illusion the less. Allow me to read you this manuscript, which I have written for the—"

"Pray, don't trouble about that," answered I, perceiving that the said manuscript weighed  $\frac{1}{2}$  lb. Just tell me your story as short as may be. Are you a pharmacist?"

He was. He had managed a branch shop in the country. But when the Trumpet of Freedom began to tootle he could contain himself no longer. Not that he liked Dispensing less, but that he loved Liberty more. Therefore, being young and lusty, and not held to England by ties of wife and family, he determined to offer himself to Greece. And, having been an enthusiast myself once, I liked him the better for his devotion.

"I wrote to M. Metaxas," continued the caller, "the Greek *Chargé d'Affaires* in London. He sent me to Mr. Torr, of the Cretan Committee, who informed me that a party of thirty would set out from London the last week in April, and enrolled me as one of that band. We were a queer crowd. Ex-soldiers, cobblers, clerks, carpenters, what not. The Cretan Committee paid our expenses out: at Athens we would be given arms and uniforms, and handed over to the staff officers of the Greek army. For the rest we were to look after ourselves, though we would be paid 6*l.* a day. Captain Short was in charge of the band, which set out in eager expectation of storming the Serail and reconquering Constantinople for the Cross. There was a fine martial spirit among us, and if our Company had met a Turk, it might have gone hard with him."

"What use did you think you would be as a soldier? Have you ever served?"

"Not personally. But I am an Irishman. And I have an uncle who is a surgeon-major."

I felt that that settled the question.

"At Brindisi Captain Short sprang a surprise on us. He requested us to sign a document, stating that, in the event of a revolution breaking out in Greece during our stay, we would blindly support the King. Sixteen of us objected; I was one. You must know I am an enthusiastic Clarionette."

"You said you were a pharmacist?"

He looked at me with pity. "A Clarionette is a man who reads the *Clarion*, the organ of Socialism. It follows that I am again the Government on Principle. Finally, I signed under protest."

"Corfu is the only part of Greece from which I carry away pleasant recollections. When our band landed on that lovely island all the people turned out to receive us with brass bands and banners. They were frantic with enthusiasm. They cried *Zeto Polomos*; they waved Union Jacks and Italian flags; wine flowed like water. And the girls! Such lovely girls! They stood on the balconies and threw flowers on us. Here, too, we had a bath, the first since our departure from England."

"We reached Athens *via* Patras. The revolution had not yet revolved. Still, I thought it time to renew my protests against Short's paper. He gave me short shrift; refused me a uniform and a gun, marched off his other Volunteers, and left me stranded. Two sympathising Greeks invited me to taste their national drink, and a very pleasant drink it is, cool and milky, like a dilute decoction of oatmeal porridge. On my way back I fancied I saw another Greek carrying something heavy around the corner. When I arrived at the station my portmanteau had vanished. There I was in Athens in the old clothes I stood up in, filled with hunger and enthusiasm, but with little money and less

Greek. Stay:—Government had paid me one half-franc on account of my 6*l.* a day.

"I sought the Advance Agent of the *Daily Chronicle* Hospital (the Greeks were already retreating), and told him my plight. Dr. Moffatt was going to Lamia with two nurses to fetch up wounded for the Calchis Hospital. Would I come? I did."

"At Lamia, where we collected 160 wounded, we could only get one double-bedded room. The beds were for the nurses. Dr. Moffatt and I slept outside on the floor, revolver in hand. They told us the Turks would drop upon us in the night. They did not. But many other creatures dropped upon us from the ceiling, and attacked us from crevices in the walls. Their name was Legion—the Native Greek Legion—and they treated their foreign colleagues in a very unfriendly way. But I fired a shilling tin of Keating at them, and did great execution."

"Well, I kept bringing wounded from the front in the steamer *Epiros* until I got wearied with the job. The Greek hospital accommodation, both in Thessaly and in the Epiros army (where I had some experience afterwards), was shockingly bad. Anaesthetics ran out early in the campaign. Most of the ambulances had been abandoned to the Turks. In the hospital at Corfu about 500 wounded were lying in their uniforms. And, by the way, though the Greeks detest the Germans, nearly all the drugs I saw were German. A few foreign surgeons had French drugs, but only the British hospital people had British goods."

"On May 12 I was again at Lamia. I had heard that an engagement would probably be fought at Domokos, and I made up my mind that I would be in it. So I set off that night, with Sergeant-Major Robinson (an Englishman whose acquaintance I had made) to walk to Domokos—thirty miles—over the Othrys mountains. It was the most brutal walk I have ever made, and when we marched into Domokos at 9 p.m. on May 13 we found that the army had advanced, and that the Foreign Legion lay encamped seven miles further afield. Confound that army! It was the only advance it ever made."

"We had a miserable time at Domokos. There was no cover, and nothing to eat but biscuits and cheese. Oh, for a cup of tea! But where to get tea? Greek grocers don't sell it. Perchance Greek chemists might. And, in fact, at a little Domokos pharmacy we found a stock of tea, which is counted a drug in Greece. The pharmacist had no sympathy with Volunteers; he charged three drachmas for 30 grammes of tea—just about half-a-crown an ounce. Then we set out for sugar. Alas! there was none in Lamia. But a happy thought struck me. I returned to the pharmacy and asked for saccharin. The chemist stocked it, but he didn't seem to know the price, nor the use, for he did not try to fleece me at all. I bought some bicarbonate of soda, made the saccharin soluble, and treated our party and a portion of the Greek force to the loveliest cup of tea I have ever drunk. The pharmacy! Well, it might have been at Mantua in the days of the Capulets. There was very little stock in the shop. A coloured Lanolin-card hung on the wall, also a pictorial advertisement of Coats's sewing-cotton with Greek and French letterpress. But the chemist didn't keep either; the idea that he might be asked for the things he advertised didn't seem to strike him at all. He looked upon the show-cards simply as mural decorations."

"The shopkeepers didn't much sympathise with the Philhellenes, then?"

"Not with the poor ones. But I became very popular with the Greek soldiers. My trick of sweetening tea partly accounted for it, and on another occasion I made them a fine summer-drink with citric acid, spirit, and some syrup I bought at a chemist's at Lamia. Bought, I said? No. The Lamia pill-driver was a patriot. He absolutely refused to take a cent from me. I was a Philhellene, that was enough. Really! I believe I might have marched my Greeks on Athens and usurped George's throne, after that drink."

"Which proves once more that the way to men's hearts lies through their stomachs. But remember, you wouldn't do for a King—being a Clarionette."

"Next morning we came up to the Foreign Legion."

Though grimy, they looked still smart in their dark-green uniforms, with red piping, and green forage-caps with blue cross and crown. That was the uniform of the English Volunteers; the Garibaldians wore the traditional red shirt. I had no uniform myself. My coat, which had a red cross on it, I threw off on the battlefield. An Italian rifle and bayonet I had picked up; also a water-bottle and 150 rounds of ammunition. The bayonet I have now, it will always be a memento, and may have its use as a corkscrew.

"The battle of Domokos lasted all day. We lay in the trenches and blazed away at the Turks. From time to time you could see one fall like a potted rabbit, but they never came near enough to enable us to say for certain whose bullet it was that killed this man or that one. That was my chief regret. Part of the day I lay with about sixty Greek infantry. The man next to me was shot through the arm; I dressed his wound as well as I could. I received no injury myself beyond being knocked over by a mounted Greek aide-de-camp who raced along. There was no hand-to-hand fighting whatever. At nightfall the accustomed order came to retreat, and Surgeon Moon, an English Volunteer, asked me to look after the wounded. We slept on the top of a hill without cover, and in several degrees of frost. Of five English in our party, three had taken dysentery through drinking bad water. I gave them a grain of opium every hour for six hours, and some hot sheep's milk. A case of tabloids that had been given to me before my departure was very useful. Pity I afterwards lost it."

"One seems to lose most things in Greece—from trousers to illusions?"

"Alas! too true. And my opium was especially useful. After the battle I lost myself, alone, in a dense forest of larch and beech. Surgeon Moon had given me two biscuits in the morning after the battle; I had eaten nothing else. All night I wandered through the wood, meeting no creature but a Greek miller grinding corn. The blackguard refused me bite or sup, and as he was armed to the teeth I left him alone. In the morning I found my way out of the wood, and struck a road. Presently I heard a splash as of a horse in the water, and saw a camp-fire—a Turkish camp-fire, as it turned out. The Turks saw me, too, and began shooting with great gusto, not seeming to mind a bit that they might hurt me. Luckily a wall was near. I jumped it (my record jump), stuck up my hat on my rifle, and crawled away on all fours for a mile or so. It still makes my blood run cold to think of the way the Turks kept firing at that hat."

"At last I reached Lamia and the remnant of the Greek force. I was famished. I had eaten even my tea-leaves, mouldy though they were. Soldiers were baking bread in the square. I seized a loaf, and was seized by an officer. He swore; so did I. I must have sworn loudest, for they let me go with the loaf at last. Then I fell in with a German Volunteer, just as hungry as I was. He was one of the best fellows I have come across in Greece, and we decided to chum during the rest of our stay at Lamia. The place was full of Greek soldiers, all ready to run at the shortest notice, but the inhabitants had fled. We forced the door of a dwelling-house, and established ourselves there to eat our loaf and a handful of dried figs the German had collected. That didn't take long. Then we found that, though our hunger was partly silenced, our thirst remained. I grieve to say Necessity made us break into a shop and seize two bottles at random. One contained whisky, the other was labelled in Greek. We decided to try the Greek one first. It was sulphur-water. Then we tried the other bottle. I should never have believed that such good Scotch whisky was to be had in Greece."

"How did I get back? Well, I made my way to Athens and fell in with a nephew of M. Metaxas, whom I knew. I asked him to get me an audience of the King, for I wanted to appeal to his Majesty to send me back to England—although I was a Clarionette."

"Probably that might have been an inducement."

"The King promised to see me on the Thursday, two days later. But when I presented myself the aide-de-camp told me there would be no more fighting, and thanked me for my services, which were no longer needed. I succeeded with difficulty in getting back to Corfu, the island of brass bands and black-eyed girls. Alas! where were the bands, and where

the black-eyed girls? All gone *away in de Ewigkeit*. With a sad heart I made my way to London somehow."

"And now I am looking for an assistant's situation. I have had enough of war. A good dispensing-counter would just suit me, and for exercise I shall join the Volunteers; the British ones, of course, for I want a quiet, peaceful life."

\* \* \* \* \*

After truly and faithfully writing out the pharmacist's story I fell asleep in a corner of my garden, and dreamt of Byron and sunny Greece, of Minotaurs and Maids of Corfu, of Philhellenes and portmanteaus. Clouds of insect-powder arose; I was in the thick of the battle of Domokos, leading the Philhellenic-Pharmaceutic Legion. A Bashi-Bazouk took aim at me with a test-tube; my pestle brained him where he stood. Then, with my spatula, I pierced a Pasha—he seemed but a forked piece of Turkey rhubarb fantastically carved—who was watching the fight through a spectro-scope. At that moment a diuretic horse-ball from a Turkish mortar struck me in the middle of the forehead. With a cry of *Zeto polemos!* I fell off my chair and woke. Disdaining to notice the laughter of a party on an adjacent tennis-lawn, who had accidentally knocked a ball against my face, I crept from my corner and sought Solitude. And there I composed this:—

#### ODE TO A MAID OF CORFU.

Corfu maid, my soul bewails  
Powders, pills, dispensing-scales!  
Though, thank Heav'n, my skin is whole,  
Yet, since Athens' patriots stole  
Boots and breeches, coat and vest,  
Take my heart and share the rest;—  
Hear my vow before I go:  
"Fight again for Hellas? No!"

When we landed, trumpets rang,  
Girls threw roses, cheer'd and sang;  
*S.V.R.* and *Spir. Vin. Gall.*,  
Flow'd in cafés free for all;  
Vermineous Persons, clad in rags,  
Flourish'd Greek and British flags;—  
Corfu maid, I felt as though  
I had pass'd my Major Go!

When we hurried to the front,  
There to bear the battle's brunt,  
Death or Victory to seek;  
On our way we met the Greek  
Host, that ne'er knew aught of fear,  
Making movements to the rear;—  
Rear and front got mixed that day,  
Like a pill-mass on a tray!

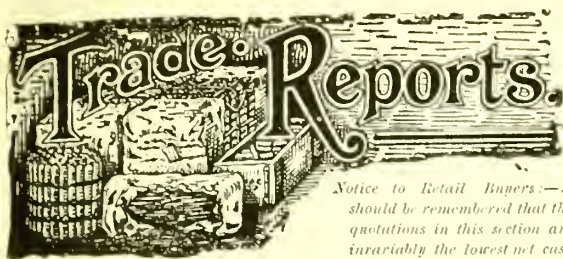
Domokos! Like coated pills,  
Paynim shells dropp'd on thy hills;  
Like a black draught, through our van  
Swept the Turk—we cut and ran;  
Cut as ne'er hath cut before,  
Boot, or Day, or Co-Op. store;—  
Maid of Corfu, e'en Glyn-Jones  
Would have cut to save his bones!

Sweet, the Sick Man Infamous,  
Knock'd th' *Amylum* out of us.  
Homeward hies your Volunteer,  
To his land of beef and beer.  
Fit to shoplife it should list  
Fate to doom your pharmacist,  
Images of Corfu's isle,  
Shall his weary hours beguile!

When he rolls the aloes pill,  
Bitter thoughts his heart shall fill;  
When at *Saccharin* or *Mel*,  
Sweet on thee his mind shall dwell;  
Turkey rhubarb makes arise  
Moslem Wraiths—an urchin cries  
"Tuppenceworth o' Corf drops, please!"  
—Corfu maid, thy form he sees!

Maid of Corfu, I am gone!  
Think how I was dropp'd upon;  
Though my heart be all thy swag,  
Athens holds my Gladstone-bag  
When there's next such gory work,  
I shall join the fiendish Turk:  
On the B.P. swears your swain;  
"Fight for Hellas? Ne'er again!"





Notice to Retail Buyers.—It should be remembered that the quotations in this section are invariably the lowest net cash prices actually paid for large

quantities in bulk. In many cases allowances have to be added before ordinary prices can be ascertained. Frequently goods must be picked and sorted to suit the demands of the retail trade, causing much labour and the accumulation of rejections, not all of which are suitable even for manufacturing purposes. Further points which should be borne in mind are that the distributor generally has to bear the bulk of the freight-charges on the goods on their way from the producer to the retailer, and that for many articles the range of quality is very wide.

#### 42 CANNON STREET, E.C., July 22.

AMONG the London drug-merchants complaints of slackness of trade are general. Since the second half of June, it is said, business has been almost at a standstill, and there is no prospect of early improvement. It is not easy, however, to harmonise these grumblings with the fact that the deliveries of drugs from Crutched Friars Warehouse alone aggregated 32 tons last week—the heaviest weight delivered for a considerable time. At the auctions of July 9, the total weight of drugs offered was over 60 tons, and by far the greater part of this has changed hands at or after the auctions. At to-day's drug-sales 1,177 lots were offered—a rather moderate quantity—and 338, or nearly 29 per cent., sold at auction, the tone being generally a dull one. Most price-alterations were in the downward direction. The following is a synopsis of the principal alterations in the market since our last report:—In fine chemicals quinine shows perhaps a slightly firmer tone, acetanilid and phenacetin are also tending higher, while opium salts are dull of sale. Cream of tartar is less firm. The demand for citric and tartaric acids continues brisk. In heavy chemicals soda-ash, caustic soda, ammonia-alkali, bleaching-powder, and soda crystals are in demand. Sulphur is very firm; sulphate of copper easier. Borax neglected. Aniline oil and salts, and benzols are tending higher; prussiate of potash shows a better tone. Quicksilver is dull of sale. In the drug-market asafetida maintains a firm tone. Cape aloes is very steady. Buchu and fair Siam benzoin firmer; fine Sumatra benzoin in demand. Belladonna-root remains steady. Camphor neglected. Chamomiles and colocynth slightly easier. Calumba still tending upward. Cardamoms 1*d.* to 2*d.* per lb. dearer. Cinchona firm at auction. Ergot of rye is again lower. Gentian-root is beginning to decline. Acacia gums are neglected. Honey in large supply and easier. Brazilian ipeacacuanha 3*d.* down. Kola-nuts lower. Musk very flat; good myrrh sorts scarce. Castor oil is firmer. Cod-liver oil quite neglected. Star-anise oil has had an upward move, but closes lower. Opium quiet. Rhubarb is easier. Red Jamaica sarsaparilla is in over supply; Lima and grey Jamaica firmly held. Annatto easier. Senna quiet. Vanilla easier generally. Beeswax decidedly lower.

The demand for shellac has been fairly good, and prices are well maintained. Mace and nutmegs are quiet. Zanzibar cloves steadier. Cut Cochinchina ginger is easier, and Jamaica ginger dull. Black pepper and canary-seed are lower. There has been a sharp advance in linseed oil; crude rape oil is also firmer, and the same applies to cotton-seed, and cocoanut oils. Turpentine steadier. Petroleum unchanged.

While Mr. S. Figgis was in the rostrum to-day, he said in a casual way that he supposed no sales would be held this day fortnight. No one contradicted, and he therefore announced that the next drug-auctions would be held on August 19. Unfortunately, Mr. Figgis overlooked the fact that his statement was not heard by the principal wholesale druggists, who had temporarily adjourned to the luncheon-room. When they returned thence, and heard that the question of postponing the sale had been settled in their absence, the wholesalers were much put out, and Mr. Barron interpellated Mr. W. W. Green, who was then in the chair, on the matter. Mr. Lescher also objected—not to the skipping of the sales, but to the offhand manner in which it had been announced as an understood thing by Mr. Figgis. At last a vote was taken, the "clerks" and "office-boys" being warned that they must on no account hold up their hands. By 25 votes to 4 the principals decided to hold no auctions on this day fortnight, and therewith peace was restored.

The negotiations with London houses for the purchase of the 27 bales of Rio ipeacacuanha at Hamburg seems to have led to no result; at any rate the parcel was offered by public auction at Hamburg on Wednesday. The auctioneer put it in at an all round price of 15*m.* per kilo., but nothing like the figure was bid, and the lot was ultimately bought in.

Messrs. H. G. Hotchkiss' Sons write to us from Lyons, N.Y.:—"We have never known so light an acreage of peppermint as was planted in Wayne County this spring, and we now estimate that there will not be produced this year over one-third of the average annual production for the last ten years in this county. From trustworthy reports received by us from all parts of the peppermint districts of Michigan and Indiana, we are of the opinion that the production this year will show a shortage of at least 25 per cent. on last season. Oil of peppermint cannot be produced in this country at the present prices."

Our Hamburg correspondent telegraphs on Thursday afternoon that refined camphor is very dull and tending easier at 2.55*m.* per kilo. Oil of star-anise is decidedly firmer, at 16½*m.* per kilo. on the spot, lowest price. The parcel of ipeacacuanha has been withdrawn from the market.

Our New York correspondent telegraphs on Thursday evening that 20 cases of Maracaibo balsam copaiba have arrived and are held at 38*s.* per lb. For good New York Cablegram. soft Tolu balsam 38*s.* is also the price. Cherry-bark is scarce and advancing; 4½*s.* per lb. must be paid to-day. Chicle-gum firmly held at 26*s.* per lb. for good quality. Three bales grey Jamaica sarsaparilla have arrived.

ACETANILID.—Slightly dearer at 1*s.* 3½*d.* to 1*s.* 4*d.* per oz.

ALOES.—Cape Aloes very firmly held and tending just a shade firmer. Of 29 boxes offered at auction to-day 21 sold at 22*s.* 6*d.* per cwt. for fine bright hard, 20*s.* to 21*s.* 6*d.* for fair bright, and 16*s.* per cwt. for dull soft. Of Curaçao aloes only 7 boxes were offered. These were bought in at 38*s.* per cwt. for fair quality. Of East Indian aloes 30 kegs fine soft brown Socotrine were bought in at 85*s.* per cwt.

ASAFETIDA.—A small business has been done this week in good free drop mixed with block at up to 90*s.* per cwt. All the available good block gum is said to have been sold for export to the States at up to 75*s.* per cwt.

BALSAMS (MEDICINAL).—Balsam Peru is quiet. Three cases were bought in without mention of price. Of Tolu

*balsam* three cases of fair soft quality were shown. For these the owner asks 2s. 11d. per lb. Nothing has arrived in New York lately. For a small lot of good bright *Maranham Copaiba balsam* shown at auction 2s. 1½d. per lb. is nominally asked. In New York the stock is small and firmly held. It is said that there are at present on the New York market several lots of *Canada balsam* adulterated with Oregon fir balsam. Buyers should therefore be on their guard.

**BELLADONNA.**—New foreign root is now beginning to come into the market. Good root of old quality offers at 40s. per cwt., but there do not appear to be buyers at that figure. For foreign leaves of good quality the price runs from 40s. to 44s. per cwt.

**BENZON.**—There is a demand for fine *Sumatra benzoin* in the neighbourhood of 9d. per cwt., but the supply of this kind is very small. At auction no really fine gum was offered, although 141 boxes of *Sumatra gum* were shown. The tone was generally dull, and only 35 boxes sold, at unaltered rates—viz: Good seconds bright almond centres, rather false packed ends, 7l. 17s. 6d. falling to 7l. 10s.; fair almond centres, red borders, 6l. 10s. to 6l. 12s. 6d.; dull seconds, few almonds, 5l. 10s.; ordinary old fracture, small almonds in centre, false packed, 82s. 6d. to 87s. 6d. per cwt. Of *Penang gum* 10 packages of medium quality, false packed, realised 58s. per cwt. *Palembang* in small supply and all bought in. A new parcel of 39 boxes *Siam gum* met with good demand, small to medium gum partly blocky almonds, of good colour were bought in at 15l. per cwt., but 18 boxes sold at an advance, fair grain and small almonds in block, 5l. 12s. 6d.; good bright siftings in block, 5l. 10s. to 5l. 17s. 6d. per cwt. Low grey siftings in hard block were bought in at 60s. to 80s. per cwt.

**BUCHU.**—Scarce and fully ¼d. per lb. dearer. Of 20 bales shown to-day, 14 sold at 3¼d. to 3½d. per lb. for fair to good greenish round, and at 2¾d. per lb. for yellowish ditto.

**CALUMBA** still tending higher, and in fair demand. A; auction 145 bags were offered, of which 65 sold at full price 28s. to 28s. 6d. per cwt. for fair yellow mixed, and 21s. 6d. to 22s. per cwt. for brownish and dusty sorts. Fine picked washed root is limited at 55s. per cwt.

**CAMPOR (CRUDE)**—The market is quiet, prices being more or less nominal, first-hand holders quoting 92s. 6d. per cwt., c.i.f., for *Formosa*, and 97s. 6d. to 100s. per cwt., c.i.f., for *Japan camphor*. There is very little second-hand camphor offering just now. On June 15 the stock of *Formosa gum* at Hong Kong was 8,300 cases. Early this week there was an order in the market for several hundred piculs of *Formosa camphor*, shipment from August onwards, but the limit was too low to lead to business.

**CARDAMOMS.**—A small business has been done privately since our last report at firmer prices. At auction to-day the moderate supply of 195 cases was offered, of which 127 cases sold at firm to gradually hardening prices, closing at an all-round advance of 1d. to 2d. per lb. on the last sales. Competition was keen, and the quotations were as follows:—*Ceylon Mysore*, bold soft round pale, 3s. 8d.; slightly yellow ditto, 3s. 5d.; medium long pale, 3s. to 3s. 2d.; small and medium to bold pale full 2s. 9d. to 2s. 11d.; small to medium yellow, 2s. 5d. to 2s. 6d.; part split and brownish, 2s. 4d.; small dull grey, 2s. 3d.; brown long shelly, 2s. 2d. per lb. *Seeds* realised from 2s. 10d. for ordinary to 3s. 1d. per lb. for good quality.

**CHAMOMILES.**—With the arrival of the new crop of *Belgian flowers* prices are easing off a little. One of the agents offers fine first-pickings at 48s. 6d., others ask from 50s. to 52s. 6d. per cwt.

**CINCHONA.**—At the London cinchona-auctions on Tuesday only five catalogues were offered. They comprised a total of 106 packages Ceylon, 641 E. Indian, 154 Javan, and 5 African bark, besides 228 bales *Cuprea* of old import. The last-named were withdrawn, but of the remainder about 70 per cent. sold, with excellent competition, at very firm prices, the unit being fully ¾d. per lb. The following prices were paid:—*E. I. and Ceylon barks*—*Ledgeriana*, natural and renewed, 2¼d. to 4½d.; *succirubra* ditto, 1½d. to 2½d. per lb. *Javan bark*—*Ledger*, 4d. to 5½d.; hybrid, 3½d. to 6d. per lb. The *W. African succirubra* was bought in. At to-day's drug-sales 17 bales cultivated Bolivian *Calisaya*

*bark* were offered, of which 7 sold, thin flat damaged, at 6½d. per lb. Good thick hard sound was bought in at 1s. 7d. per lb.

**CLOVES.**—According to advices from Zanzibar, the clove-crop promises to be both good and early this year. The shortness of last year's crop (which has not been able to advance prices much) is ascribed to the fact that every five or six years the trees yield little fruit, after which they quickly regain their productiveness. The London market is rather firmer. On the spot fair Zanzibar cloves have sold at 2¼d., and for October-December delivery several hundred bales have changed hands at 2½d. per lb. Fair picked Penang realised 6½d. per lb. at auction.

**COLOCYNTH.**—A bid of 3s. per lb. has been refused for a parcel of pulped *Spanish colocynth* by one holder. We understand, however, that another one has since sold a lot at that price. At auction 3 casks fair pale Turkish apple, rather small, were shown. They are held for 1s. 5d. per lb.

**CREAM OF TARTAR.**—Tending easier. The London quotation for best white crystals is 77s., for powder 79s. to 81s. per cwt. But from Bordeaux there are offers of crystals at 73s. per cwt., f.o.b.

**CUBEBS.**—A parcel of 14 bags stalks and siftings from Singapore, with a small proportion of genuine fruit, was offered without reserve. Considering the quality it realised a very good price, bidding beginning at 14s., and the lot being finally knocked down at 19s. to 19s. 6d. per cwt.

**DRAGON'S-BLOOD.**—There is no really fine lump dragon's-blood in first-hand here, but medium and common grades are plentiful. We understand that the case of fiery mixed lump which changed hands at the last auctions at 13l. per cwt. has been discovered to be considerably adulterated. When broken for grinding the blocks were found to contain from 10 to 12 per cent. of seed and rubbish. The parcel was imported *via* Hamburg. At auction 1 case of fair medium, partly seedy lump was offered. A bid of 7l. 15s. per cwt. was rejected for it.

**ERGOT OF RYE** is again lower. Seventeen bags fair sound grey *Russian ergot* sold at auction to-day at 4¼d. per lb. Thirty-nine bags *Spanish* were all bought in; for bold sifted 6d. per lb. is asked. For 4 bags extremely wormy ergot, imported in 1895, a bid of 2d. per lb. is to be submitted.

**GENTIAN-ROOT** is declining with the arrival of the new French crop. Good root now offers, for delivery in August, at 20s. 6d. to 21s. per cwt., f.o.b. For the moment, however, the spot price remains 27s. per cwt.

**GLYCERINE.**—Some German makes, such as Schering and B. & S., are still held for about 67s. 6d. per cwt., but there are sellers of "guaranteed B.P. quality" at 53s. to 54s. per cwt. in quantities. The market is weak.

**GUM ACACIA.**—No business has transpired this week in *East Indian or Soudan gums*. At auction several parcels picked *Trieste gum* were shown. They are held for high prices, but there was no bid. Small to bold pale pickings, 13l. 10s. to 14l. 10s. per cwt. For fair grey grain 6l. 17s. 6d. per cwt. would be accepted. A parcel of pale picked *Aden gum* was bought in at 70s. per cwt.

**HONEY.**—A leading feature of interest at to-day's drug-sales was the enormous quantity of new crop of *Jamaica honey* which was offered. Of this kind there were 330 packages, of which about 200 sold at lower rates, although the decline was not so great as might have been expected. Fine bright yellow liquid honey realised from 28s. to 30s. per cwt.; good brown to orange liquid, 26s. to 27s. 6d.; fair amber to dark, from 23s. 6d. to 20s. per cwt. For ordinary dark to good pale candied set honey from 20s. 6d. to 25s. per cwt. was paid. A parcel of ten cases candied yellow *South Australian* in tins realised 22s., and a lot of fine clean liquid *New South Wales* was bought in at 27s. per cwt. Of 233 packages *Chili* 87 sold, mostly subject to approval, at from 22s. 6d. down to 19s. 6d. for yellow to ordinary dirty thick.

**IPECACUANHA** is extremely slow of sale. The deliveries from the warehouse this month have been unusually small—only 29 bales so far. At auction to-day 30 bales *Brazilian root* were offered. Twenty sold at a decline of fully 3d. per lb., 6s. 3d. to 6s. 4d. being paid for good, partly stout, sound,



out slightly-damaged root. Of 15 packages *Carthagena*, one sold cheaply at 4s. 8d. per lb. for second-class damaged.

**JALAP.**—Forty bales fair bright mixed *Vera Cruz*, unworked, were offered to-day. Three bales sound quality sold cheaply at 5d. per lb.

**MORPHIA.**—Quite neglected. Buyers are keeping their stock as low as possible, the general opinion being that there will be a drop in prices before the end of the summer.

**MUSK** is extremely slow of sale. Six caddies of first-pile *Tonguin* pods were bought in at 73s. per oz. for small to bold brown and blue skinned pods, well trimmed and fairly dry. Of third-pile pods several lots were also bought in, 47s. per oz. being asked for fairly dry pods, thin brown skin. For small to bold wet, badly-trimmed pods of fair shape, 23s. per oz. was bid and refused.

**MYRRH.**—Clear *Aden* sorts are scarce, and would bring good prices, probably as much as 65s. per cwt. At auction almost everything was bought in. Only 3 bales of pickings being sold out of 67 packages offered. They brought 25s. per cwt. Fine pale *Aden* gum was bought in at 100s. per cwt., but less would no doubt be accepted. For nice pale but dusty siftings 40s. per cwt. is asked.

**OIL (CASTOR).**—Again firmer. Of 50 cases pale first *Calcutta* oil offered to-day, 20 sold at 3½d. per lb. *French* oil of first-pressing is held at 32s. per cwt. on the spot; seconds at 30s. to 30s. 6d. per cwt.

**OIL (COD-LIVER).**—There is no change in the price of *Norwegian* or *Newfoundland* oils, both of which are very dull. Twelve cases *Japanese* oil, upon which we have commented before, were bought in at auction. The owner hopes to get about 2s. per gallon for the oil.

**OILS (ESSENTIAL).**—The principal movement in the essential-oil market has been in *Star-anise* oil, which has had several ups and downs. It is generally thought that the position of the article in China is very strong, that the crop has been small, and that when the autumn demand sets in the market may take an upward turn. But this week's movements are purely speculative, and have no other object than the baiting of a speculator who is supposed to have sold more than he could deliver. In second-hand business has been done up to 7s. 4½d. per lb., c.i.f., for July-August shipment, but since then 7s. 1½d., c.i.f., has been accepted, and this morning there were sellers at 7s. per lb., c.i.f. The first-hand quotations are above these figures (they have ranged from 7s. 11½d. to 7s. 6½d. per lb., c.i.f.), and no business is being done by importers. On the spot 7s. 3d. per lb. has been paid, although early in the week 7s. 6d., and even 7s. 9d. per lb. was quoted. To-day 7s. 3d. per lb. is the nominal spot price, but at auction no bid whatever was made for the 5 cases of unworked oil offered. It is reported, however, that at the close the market is firmer again, in sympathy with Hamburg. The *Oceana* recently brought 90 cases, which depressed the market. There has been more inquiry on the spot for *Oil of cassia*, and an importer quotes to-day 5s. 3d. per lb., c.i.f., for 75-80-per-cent. oil; but business in the article remains slack. Small second-hand sales are reported at 4s. 6d. per lb., c.i.f., July-August shipment, for 78-80-per-cent. oil. *Citronella* oil unaltered at 1s. 2d. per lb. on the spot, and 11½d. per lb. c.i.f. *Lemongrass* quiet, at 2½d. to 2½d. per lb. on the spot. There are practically no quotations for arrival. The new prices for *Otto of rose* have not yet been generally fixed, but the agent for Christoff's brand reports an advance to-day of 2s. per oz., his quotation for new-crop otto being 24s. per oz. on the spot. *Neroli* oil is in good demand at 7s. 3d. per oz. for fine new "pétale" oil. Five cases distilled *Lime* oil from *Dominica* were bought in at 4s. 9d. per oz. to-day; 12 cases of *Hardouin's nutmeg* oil at 3d. per oz.; and 5 cases of *Fisher's Patchouly* oil at 1s. 2d. per oz. Of *Eucalyptus* oil several lots were bought in at auction, but they do not call for comment. *American Oil of peppermint* is rather firmer, at 6s. 7½d. to 6s. 9d. per lb. for HGH oil on the spot, or 6s. 6d. per lb. for arrival.

**OPIUM.**—A fairly steady market, but with very little actual business. Our stock is very small, and mostly held above present market rates. A large part of it, moreover, consists of *Persian* opium, and there is consequently very little *Turkey* gum available for sale. No new-crop opium

has yet been received. The following are the current quotations:—*Turkey*, good to fine soft shipping, 11s. 6d. to 13s.; fair to good seconds, 8s. 6d. to 10s.; good to fine *Smirna*, 8s. 6d. to 9s. 6d.; second Druggists', 7s. 6d. to 8s. 3d.; ordinary to fine *Constantinople*, 8s. 6d. to 9s. 6d. per lb. *Persian*, finest, 10s. 3d. to 10s. 6d.; medium, 9s. 6d. to 10s.; ordinary, 8s. to 9s. per lb.

**PHENACETIN** has a firmer tendency. Till recently 3s. 9d. per oz. was still an acceptable price, but at present from 3s. 11d. to 4s. per oz. is asked.

**QUININE.**—Practically no business is reported this week, but the market is rather firm, and it would not be easy to buy much good second-hand *German* quinine at 9d. per oz. At to-day's auctions a case of ten 100-oz. tins of *Tailandier's* quinine sold at 8½d. per oz. For *German* quinine manufacturers' prices remain nominally 9d. per oz. for *Brunswick* and *Zimmer*, and 8½d. for *Mannheim* and *Auerbach*.

**RHUBARB** was represented at to-day's auctions by 113 cases, of which 14 sold with some difficulty at rather lower prices. A considerable part of the supply consisted of new-crop root. The following quotations ruled: No *Shensi* root was sold; for small rather woody flat root of dull fracture, 1s. 6d. per lb. is asked, and it is said that 2s. 2d. per lb. is being paid privately for medium to bold heavy root, good coat, three-fourths pink and one-fourth dark fracture, round. Of *Canton* root, a few lots sold at 1s. 6d. per lb., for nice bright small druggists' root of good appearance; 1s. 6d. for flat medium root of good coat and fair pinky fracture; 1s. 5d. for slightly smaller; and 1s. for round and flat mixed small pickings, partly dark in fracture. For a parcel of good small to medium flat high-dried, of even fracture and yellow coat, a bid of 1s. 1½d. has been refused, the lowest price being 1s. 2d. per lb. Medium round root, fair rough coat, partly grey, partly dark fracture, sold at 9½d. per lb.

**SARSAPARILLA.**—There have been no arrivals of *Grey Jamaica* or *Lima-Jamaica*, and both these kinds are scarce. At auction 37 packages genuine grey *Jamaica* were offered, but only 2 bales sold, at 1s. 11d. to 2s. per lb. for damaged quality, the remainder being held for very high prices—2s. 1d. to 2s. 2d. for good sound. Of *Lima-Jamaica* 21 bales were shown, of which 4 sold at auction at 1s. 4d. per lb. for slightly damaged. Forty-nine bales country-damaged *American* root sold very cheaply, at 2½d. per lb. Native red *Jamaica* has arrived rather freely, and is now in excessive supply; 23 bales were shown to-day, of which only 3 sold, at from 9d. to 11d. per lb. for ordinary damaged quality. Good root is held for 1s. per lb.

**SEEDS (VARIOUS).**—*Annatto-seed* is lower; several lots of dull to bright *West Indian* sold to-day at from 2d. to 3d., while *Madras* seed was bought in. Forty-nine bags *Malta cumin-seed* were bought in at 35s. per cwt. Genuine *China star-anise* is selling in a small way at 100s. per cwt., but for ordinary the price is much less. At auction to-day 15 cases rather broken were bought in at 90s., and 7 bags, without aroma and apparently exhausted, at 12s. 6d. per cwt. Five bags *Kombe strophanthus* seed were bought in at 3s. 3d. per lb.; and for 5 bales *Stavesacre* seed 43s. is the price. *St. Ignatius' beans* quite neglected; a bid of 3d. was refused for one lot. Thirteen bags *Quince* seed from the Cape were bought in. A bid of 1s. has been refused privately for this parcel.

**SENNA.**—*Tinnerelly* senna was represented to-day by 113 bales of second-hand ownership. There was very little demand, and only 14 bales sold at from 1½d. to 3½d. per lb. for common specky to good bright greenish leaves. Of *Alexandrian* senna 12 packages were bought in, the market being quite dull. One case of fair leaf sold at 8½d. per lb. For pale pods 8d. per lb. is asked.

**SHELLAC.**—The market has been fairly steady all through the week, and only a limited business has been done, chiefly in second orange for export to the States. The quotations for fine orange are 90s. per cwt. for octagon B, from 77s. to 85s. for other fine marks, and from 70s. to 75s. per cwt. for good qualities. TN orange is worth 62s. per cwt. on the spot, and a small business has been done at that price. For AC *Garnet* 70s. is said to have been paid. There has been a

good demand for *buttonlac*, which realised up to 77s. per cwt. for fine quality.

SULPHUR is firm, to-day's price for foreign roll sulphur being 6*l.* 2s. 6*d.* to 6*l.* 5s., and for flowers 6*l.* 12s. 6*d.* to 6*l.* 15s. per ton.

TURMERIC.—A parcel of 300 bags fair *Cochin* finger changed hands a few days ago at 12s. 6*d.* per cwt. For split bulb the price is from 7s. to 7s. 6*d.* per cwt. *Bengal* root is held for 9s. 6*d.* to 10s. per cwt. Good *Madras* finger is worth from 16s. to 18s. per cwt.

VANILLA, of which 87 tins, representing about 1,070 lbs., were offered, was rather neglected, and prices were generally slightly easier.

VARIOUS DRUGS.—Japanese *Aconite-root* is tending somewhat higher. Of 24 bags offered at auction 10 were declared sold privately. For the remainder 27s. 6*d.* per cwt. is asked. Of 50 cases crude Japanese *Antimony* 20 sold at 20s. per cwt. Of *Cascara sagrada* 199 bags were shown to-day. The quality is good. They are held for 14s. per cwt., and 4 bales of damaged quality sold at 13s. per cwt. Of *Cascarilla* 30 packages were shown and bought in at 30s. to 32s. per cwt. for lean brown, and 21s. to 27s. 6*d.* per cwt. for low to fair. The market here is dull. The new crop is now being offered in New York. It is said to be small, and higher rates are asked: 5s. to 5½*c.* per lb. e.i.f. English port. Of *Cassia fistula* 53 bags West Indian were shown. For ordinary quality a bid of 5s. 6*d.* per cwt. was refused, and for good plump *Dominica* pods 15s. per cwt. is asked. Several lots of *Coca-leaves* were bought in; fair powdered leaf from Amsterdam at 8*d.* per lb. Of *Civet* 11 horns were shown to-day; fair genuine quality is held for 24s. per oz., common was bought in at 18s. per oz. A parcel of 15 bales fine bright green *Chirata* in pressed bales is held for 4*d.* per lb. At auction there were no bids for this, or any other parcel. Of *Condurango* 158 bales of good quality from *Paita* were shown. The broker says that there is "nothing left behind" of the drug. He asks 3*d.* per lb. for sound, and 2*d.* to 2½*d.* per lb. for damaged quality. Three cases *Cuttlefish-bone*, rather dirty colour, medium to bold, sold at 3½*d.* per lb. Twenty cases of rather dull mixed *Elemi* gum from Singapore were bought in at 30s. per cwt. Ten bales of fair *Galangal-root* sold for 24s. per cwt. Another parcel of 113 bags fair quality sold cheaply at 15s. 6*d.* per cwt. One case of partly blocky, partly almondy *Gum ammoniacum* was shown. The limit for this is 50s. per cwt. Of *Gamboge* only 5 cases were offered. They showed fair quality *Saigon* and *Siam* mixed, partly blocky, and are held for 8*l.* 10s. per cwt., but there is no demand. Ten cases common dirty *Gum guaiacum* in block from Amsterdam sold without reserve at 2½*d.*, an advance of ¼*d.* on last sale rates. *Kola-nuts* are lower; a large quantity, consisting of about 87 packages, was offered to-day. Good but slightly mouldy *West Indian* realised 5½*d.*; and 25 packages fair *African* sold at 2½*d.* per lb. Five hogsheds rather dirty mixed *Lime-juice* from St. Kitts sold, subject, at 9½*d.* to 10*d.* per gallon. Six bales, containing altogether 1,410 *Japanese loofahs*, various qualities, were offered without reserve. The only bid was one of 5*l.* for the whole lot, which figures out at about 12 loofahs for 1*d.* It was not, however, accepted. Italian *Orris-root* is very weak; best selected *Florentine* offers at 50s. 6*d.* per cwt., c.i.f. terms; sorts for grinding at 35s. to 37s. 6*d.* per cwt., c.i.f. At auction, 50 packages brown *Aden* gums were shown. They are limited at from 10s. to 12s. per cwt. For 50 casks good *China soy* 1s. per gallon is asked, and an offer of 11½*d.* was declined. Twelve casks, mixed with dirt, sold without reserve at 6½*d.* to 6¾*d.* per gallon. Medium to fair palish *Squill* was bought in at 3½*d.* per lb.; and 281 bales of *Sandalwood chips* from Bombay are limited, according to quality, at from 9*l.* to 22*l.* per ton. Three bales fair bright *Senega-root* sold at 1s. per lb.; and for a case of fair, slightly crystallised *Parà Tonquin beans* 1s. 6½*d.* per lb. was refused.

WAX (BEES').—All varieties in very large supply to-day, the total amounting to over 1,300 packages. Very little was sold. Of *Jamaican* wax 184 packages were offered, and 14 realised from 7*l.* 12s. 6*d.* to 8*l.* per cwt. for good to fine quality. Generally prices are from 5s. to 7s. 6*d.* per cwt. lower. Of *Madagascar* wax about 900 packages were bought in at nominal prices. A few packages *Zanzibar* realised

5*l.* 17s. 6*d.*, subject to approval. About 30 packages *Australian* were nearly all bought in, 6*l.* 15s. being accepted for one case of fine quality. Common greasy *Mogadore* wax realised 70s., and genuine *French* wax, in yellow bars, was bought in at 7*l.* 5s. per cwt.

WAX (JAPAN).—Rather easier, good pale squares offering on the spot at 41s.; near at hand, 37s., c.i.f.; and to arrive at 35s., c.i.f. At auction to-day 3 cases damaged and dirty quality sold, subject to approval, at 28s. per cwt.

### The Market in Heavy Chemicals.

The heavy chemical-market continues rather quiet and without many changes in quotations. A steadier tone, however, pervades it, and there are some signs of improvement in business. The general position of the Clyde is practically unchanged. In Lancashire matters are fairly brisk, whilst on the Tyne there is a very fair demand for both export and home trade. *Soda ash* and *Bleaching-powder* continue very firm and in good demand at unchanged rates. *Caustic soda* is firm. An arrangement has been effected between the English and foreign producers as regards special prices for certain markets, which will prevent a good deal of the undercutting that has lately prevailed. Quotations for *Soda crystals* are also unchanged, but stocks only continue low. *Ammonia alkali* and *White alkali* are moving freely. *Benzols* have a steadier tone, and are in better request. *Borax* is dull, and a further decline in prices is looked for; present figures are, English refined powder, 16*l.* per ton; crystals, 15*l.* per ton. *Boric acid*, 26*l.* and 24*l.* per ton for powdered and crystals respectively. *Sal ammoniac* is fairly steady at 30*l.*, less 2½ per cent. for firsts, and 31*l.*, less 2½ per cent. for seconds. Yellow *Prussiate of potash* very firm, prices tend upwards; Beckton is quoted 5½*d.*; best Lancashire makes firm at 6*d.* *Aniline oil* and *Salts* rather firmer. *Sulphate of ammonia* steadier and in rather better demand; Beckton, 7*l.* 11s. 3*d.*; Beckton terms, 7*l.* 8s. 9*d.*; Hull and London, 7*l.* 10s.; Leith, 7*l.* 8s. 9*d.* to 7*l.* 10s. 396 tons were exported from Leith last week. *Chlorates of potash and soda* are moving better, as is also white powdered *Arsenic*. *Linseed* and *Cottonseed cakes* are very firm, but qualities of the former are now quoted 6*l.* 2s. 6*d.* to 6*l.* 5s., and the latter, 3*l.* 12s. 6*d.* to 3*l.* 15s. *Lead salts*, acetate, brown and white, and nitrate, at the time of writing show no quotable change, prices, however, have an advancing tendency. *Alumino-ferrie* lower, at 2*l.* 7s. 6*d.* *Pearl hardening* in better demand and moving freely at 3*l.* per ton. *Salteate* is steady at late quotations. *Bauxite* in good demand. *Calcium chloride* in fair request, at 42s. 6*d.* f.o.b. *Sulphate of copper* tends easier. *Green copperas* practically unchanged; prices, however, remain firm, and stocks are far from being heavy.

### The Liverpool Drug-market.

Our Liverpool correspondent, writing on July 21, reports that there has been a continued strong upward movement in *Castor oil*, and good Seconds *Calcutta* are held for 3½*d.* to 3¾*d.* per lb. with business passing at these figures; first pressure *French* 3½*d.* to 3¾*d.* per lb. with a strong upward tendency. *Madras* is held for 3¾*d.* and second pressure is wanting. *Sulphate of copper* again easier; sales are being made at 15*l.* 15s. per ton. Considerable transactions have taken place in *Honey* of all grades—the better grades of Californian and the lower qualities of *Chilian* being chiefly affected. Five packages of *Para Balsam Copaiba*, recently arrived, have been sold at 1s. 9½*d.* per lb. All descriptions of *Gum Acacia* have been very idle, only a moderate enquiry having been experienced from sorts, in which no business is reported, owners holding from 65s. for fair hard. Medium grades are in fair supply, but are limited at somewhat high figures. *Cream of Tartar* is steady at 79s. to 82s. cwt. according to quality. *Kola-nuts* are selling slowly as they arrive at prices ranging from 2¾*d.* to 4*d.* per lb. for dry; fresh are worth about 3*d.* to 9*d.* per lb. *Canaryseed* is flatter than ever, and sales are reported in quantity at 23s. 6*d.* per qr. for good Turkish. *Guinea grains* are becoming limited to very few holders, and business in large lines has been done at 22s. 3*d.* to 22s. 6*d.* cwt., and now the only holders are asking 30s. cwt. for the small remaining stocks. *Quillaria bark* at auction to-day was held from 20*l.* per ton for good quality, and holders are very firm in their views. Sales of *Chilian Beeswax* has been



made at 6*l.* 15*s.* and 7*l.* 2*s.* 6*l.*, per cwt., and 1½ ton of Gambia W.C.A. sold at 6*l.* 7*s.* 6*l.*, but no more is to be had at the price. *Potashes* are steady at 18*s.* 6*l.* to 19*s.* cwt. and *Pearlashes* at 30*s.* cwt. with little business passing. *African ginger* is easier at 16*s.* to 20*s.* cwt. according to quality. *Chillies* (Sierra Leone) meet with a better demand, and fine have realised 35*s.* per cwt., fair are held for 30*s.* to 32*s.* 6*d.* cwt. *Anise*, Russian, is held for 15*s.* 6*d.* cwt. to 16*s.* cwt.

#### The Amsterdam Market.

Our correspondent reports as follows concerning the Amsterdam cinchona-auctions of July 15, of which the result was announced by telegram in our last issue:—"The result of the sales was quite as good as could have been expected after the heavy June shipments of cinchona-bark from Java. The whole of the bark offered was sold, excepting a few lots of quills (mostly of poor quality); but part of this has changed hands since. In fine druggists' quills and broken quills of good quality there was a marked improvement in price, and they were called for from all sides; whilst some old lots of *Succirubra* chips and dust sold at a unit far above the average of the auction—in some cases, 7*c.* per half-kilo. Opinions as to the future course of prices vary greatly, as from many sides it is predicted that the shipments from Java will soon fall off again, and then the stocks will not be big enough to keep pace with the great demand for quinine. The general idea is that this auction has shown a much better feeling than has been experienced for a long time, and that the autumn will give us the long looked for activity. The richest parcel of bark at the sales was one of 25 bales crushed *Ledger*, containing an equivalent of 10 15 per cent. of sulphate of quinine. This sold at 42½*c.* per half-kilo.—about 7½*d.* per lb. The unit prices obtained ranged from 3½*c.* to 4½*c.* The general drug-market remains dull. *Cubeb*s are neglected: 154 bales of coarse berries will shortly be offered by tender, but it is doubtful whether there will be any buyers for them. Forty-two boxes of medium quality *Sumatra benzoin* have been sold recently at 55*c.* to 60*c.* per half-kilo., or about 4*l.* 12*s.* 6*l.* to 5*l.* per cwt." The *Cocoa-butter* auction of August 3 will consist of 60 tons of Houten's, 15 tons of Cammer, 15 tons of the Dutch Cocoa Factory, 5 tons Mignon, and 4 tons Suchard's cocoa-butter.

#### The Hamburg Drug-market.

Our Hamburg correspondent writes, on July 20:—"Business in general has been quiet since last week, and there are not many changes to be reported in our drug-market. *Citric acid* is firmly held; 255*m.* per 100 kilos. is asked to-day. *Borax* is dull; some business has been done at 31½*m.* per 100 kilos. *Camphor (refined)* is quiet; spot delivery is quoted at 265*m.*. August-September delivery 255*m.* per 100 kilos. *Cod-liver oil* remains quiet; 1897 non-congealing oil is offering from 68*m.* to 70*m.* per barrel. White sweet seal oil shows very little business; prices vary from 46*m.* to 48*m.* per 100 kilos. *Castor oil* shows a very strong market; the stocks here are very small, and 63*m.* per 100 kilos. is asked to-day for French oil of first pressing. *Linseed oil* has suddenly advanced 1*m.* per 100 kilos.; to-day's quotation for short delivery is 29½*m.* per 100 kilos. in barrels. *Rape oil* continues firm at 57½*m.* per 100 kilos. duty free. *Star-anise oil* is getting dearer; holders ask 16*m.* per kilo. to-day. *Peppermint oil* is steady. HGH at 6½*m.* per lb.; Japan peppermint oil at 5½*m.* per kilo. *Cajuput oil* is scarce and dearer, at 72*m.* per ease. *Oil of lemongrass*: A parcel has been sold at equal to 2½*d.* per lb. *Lycopodium* is firmer at at 265*m.* per 100 kilos. *Japan wax* firm; spot delivery at 74*m.* to 75*m.* per 100 kilos.

#### The Bergen Cod-liver Oil Market.

Our correspondent writes under date of July 17:—"The market seems to be a trifle firmer. Best Lofoten non-congealing oil cannot be quoted to-day under 63*s.*, f.o.b., but no further rise of prices seems to be expected. The exports from Bergen up to date are 4,453 barrels, against 2,634 barrels at the same date of last year."

DENTISTRY was practised in Egypt about 6000 years ago. So says Dr. Geist-Jacobi, of Frankfort, who has written a history of dentistry, from 3700 B.C. to the present time.



In writing letters for publication, correspondents should adopt a concise, but not abbreviated, style. They are requested to write on one side of the paper only. Letters, with or without a *nom-de-plume*, must be authenticated by the name and address of the writer. Queries should be written on separate pieces of paper, and the regulations printed under the sections to which they apply should be strictly observed.

#### Pocket Nutmeg-graters.

SIR.—Since reading Mr. Bell's query in your last issue, I have asked a neighbour in the *bric-à-brac* business if he ever gets pocket nutmeg-graters for disposal, and I found that, while by no means plentiful, such articles do change hands occasionally. It so happened he had a couple in stock at that moment—one in silver, barrel-shaped, and the other in wood, acorn pattern. I was told that the custom of carrying these graters was by no means confined to the fair sex, and my informant had even met with walking-sticks whose handles consisted of nutmeg-graters. He thought the chief use to which the nutmeg was put was in mulling wine. But the old medical author had such a high opinion of the *nux moschata* that I can well imagine that the graters were brought into requisition in many other emergencies. Gerard says: "Nutmegs cause a sweet breath and amend those that do stink. They are good against freckles, they quicken the sight, strengthen the belly, break wind, and stay the laske."

Brighton, July 20.

Yours truly,

C. S. ASHTON.

P.S.—Referring to the well-known narcotic properties of the nutmeg, I find the following in Dr. Fernie's "Herbal Simples" (recently reviewed in your columns): "A drink that was concocted by our grandmothers was nutmeg-tea. One nutmeg would make a pint of this tea, which would produce a sleep of many hours' duration. The worthy old ladies were wont to carry a silver grater and nutmeg-case suspended from the waist on their chatelaines."

C. S. A.

#### A Queensland Poison: will Anyone Investigate?

SIR.—In an article written in the *C. & D.*, December 5, 1895, by Mr. William Duncan, the statement is made that the "genus *Gastrolobium* appears to be peculiar to Western Australia." Please allow me to correct this statement; for one of the most virulent and dangerous of the family, *G. grandiflorum*, abounds in this district, and I should be extremely pleased to forward, carriage paid, to you sliced roots of old plants, or the whole of the seedlings, these being considered the most poisonous by the stock-owners, if you could place them in the hands of anyone who would endeavour to get at the true poisonous principle, which, I feel sure, is an alkaloid of some kind. Probably so active an agent would prove most useful in medicine, as it must be equally as powerful in its effect as strychnine, or more so, judging from its effect on cattle.

I do not mean to imply by the above reference to strychnine that the poisonous matter of the *G. grandiflorum* acts in the same manner—i.e., produces a similar physiological effect.

I remain, Sir,

Yours faithfully,

Aramac, Queensland, May 27.

EDWARD MORLEY.

#### Irish Poor-law Union Medicine-contracts.

SIR.—A few weeks ago you published some interesting notes on the medicine-contract system which obtains in the Irish Poor-law Unions. We now give some prices at which a certain Dublin contractor is at present supplying one of these Unions, and we think your readers will wonder how it is done, especially as a declaration has to be signed that all medicines are to be "of the best description and quality, prepared in strict accordance with the several formulae of the last edition of the British Pharmacopoeia, and delivered free at the workhouses and dispensaries of the Union." Is

It not astonishing that the Local Government Board for Ireland permits such unfair trading to be carried on?

|                       |              |                      |                  |
|-----------------------|--------------|----------------------|------------------|
| Acid. boric. ...      | 1d. per lb.  | Pulv. ipecac. co.,   |                  |
| Acid. hydrochlor.,    |              | B.P. ...             | 1d. per lb.      |
| pure ...              | 1d. per pint | Pulv. kino co.,      |                  |
| Acid. sulph. aro-     |              | B.P. ...             | 1d. "            |
| mat., B.P. ...        | 3d. "        | Pulv. rhei co.,      |                  |
| Ammon. carb. ...      | 1d. per lb.  | B.P. ...             | 1d. "            |
| Ammon. spt. aro-      |              | Pulv. scammoni       |                  |
| mat., B.P. ...        | 7d. per pint | co., B.P. ...        | 1d. "            |
| Antim. tart. ...      | 1d. per lb.  | Salicin ...          | 2d. per oz.      |
| Argent. nit. ...      | 4d. per oz.  | Sarsae rad. ...      | 1d. per lb.      |
| Bismuth. cit. ...     | 1d. "        | Senegae rad. ...     | 6d. "            |
| Caffein. ...          | 4d. "        | Soda tart. ...       | 1d. "            |
| Caffein. cit. ...     | 4d. "        | Spt. aether. nit.,   |                  |
| Chloral. hyd. ...     | 1d. "        | B.P. ...             | 6d. per pint     |
| Cocain. hydro-        |              | Spt. juniper, B.P.   | 10d. "           |
| chlor. ...            | 3d. per dr.  | Spt. rect. (sp. gr.  |                  |
| Collodium. flex.      | 1d. per pint | 0-838 ...            | 3s. 6d. per gal. |
| Copaiba ...           | 1d. "        | Tr. arnicæ, B.P.     | 10d. per pint    |
| Emp. belladonna,      |              | Tr. asafœtid.,       |                  |
| B.P. ...              | 1d. per lb.  | B.P. ...             | 10d. "           |
| Emp. canthar.,        |              | Tr. camph. co.,      |                  |
| B.P. ...              | 1d. "        | B.P. ...             | 9d. "            |
| Ext. belladonnæ       | 1d. per oz.  | Tr. canthar., B.P.   | 10d. "           |
| Ext. gentian. ...     | 1d. per lb.  | Tr. capsici, B.P.    | 10d. "           |
| Ext. hyosey. ...      | 1d. "        | Tr. cascariæ, ...    |                  |
| Ext. pareire liq.     | 3d. per pint | B.P. ...             | 10d. "           |
| Ext. sarsae liq. ...  | 2d. "        | Tr. catechu, B.P.    | 10d. "           |
| Ext. tarax. liq. ...  | 2d. "        | Tr. guaiaci am-      |                  |
| Ferri et quin. cit.   | 1d. per oz.  | mon., B.P. ...       | 10d. "           |
| Glycerin. ...         | 2d. per pint | Tr. iodi., B.P. 1s.  | 3d. "            |
| Leeches ...           | 1d. per doz. | Tr. laricis, B.P.    | 10d. "           |
| Hydrarg. ...          | 1d. per lb.  | Tr. myrrh., B.P.     | 10d. "           |
| Hyd. c. creta ...     | 1d. "        | Tr. opii, B.P. ...   | 10d. "           |
| Hyd. subchlor. ...    | 1d. "        | Tr. opii ammon.,     |                  |
| Iodum ...             | 4d. per oz.  | B.P. ...             | 10d. "           |
| Iodoform ...          | 1d. "        | Tr. scillæ, B.P. ... | 10d. "           |
| Lin. crotonis, B.P.   | 4d. per pint | Tr. valer. ammon.,   |                  |
| Lin. iodi., B.P. ...  | 10d. "       | B.P. ...             | 10d. "           |
| Mag. calc. levis.     | 1d. per lb.  | Ung. elemi, B.P.     | 4d. per lb.      |
| Mag. sulph. ...       | 1d. per cwt. | Ung. hyd., B.P.      | 6d. "            |
| Morph. hydro-         |              | Ung. hyd. am-        |                  |
| chlor. ...            | 2d. per dr.  | mon., B.P. ...       | 4d. "            |
| Ol. lini ...          | 6d. per gal. | Ung. hyd. ox. rub.,  |                  |
| Ol. olivæ ...         | 6d. "        | B.P. ...             | 4d. "            |
| Pil. aloes et asa-    |              | Ung. iodi., B.P.     | 6d. "            |
| fœtid., B.P. ...      | 1d. per lb.  | Ung. iodoform.,      |                  |
| Pil. aloes et         |              | B.P. ...             | 6d. "            |
| myrrh., B.P. ...      | 1d. "        | Vin. ipecac. ...     | 10d. per pint    |
| Pil. col. co., B.P.   | 2d. "        | Hypodermic-in-       |                  |
| Pil. col. et hyosey., |              | jection case ...     | 10d. "           |
| B.P. ...              | 2d. "        | Pill-tile ...        | 4d. each         |
| Pil. rhei co., B.P.   | 3d. "        | Glass measures       |                  |
| Pil. saponis co.      |              | (8-oz. and 2-oz.     |                  |
| B.P. ...              | 1d. "        | grad.) ...           | 4d. "            |
| Potass. acct. ...     | 1d. "        | 1 large and 1        |                  |
| Potass. cyanid. ...   | 1d. "        | small infusion-      |                  |
| Cream of tartar       | 3d. "        | pot ...              | 1d. "            |
| Potass. bromid.       | 9d. "        | Pil. aloes et ferri, |                  |
| Pulv. cretæ aro-      |              | coated ...           | 1d. per gross    |
| mat., B.P. ...        | 1d. "        | Pulv. rhei (East     |                  |
| Pulv. glycerh. co.,   |              | Indian) ...          | 1d. per lb.      |
| B.P. ...              | 1d. "        | Tr. kino, B.P. ...   | 10d. per pint    |
| Pulv. ipecac. ...     | 1d. "        |                      |                  |

Yours truly,  
MEDICUS. (172/80.)

#### The Sale of Indecent Articles.

SIR,—It is astonishing to me that out of the large number of readers of THE CHEMIST AND DRUGGIST only one has taken up the important matter introduced by Dr. McWalter. One is almost driven to the conclusion that "clean-minded chemists"—to use "An Englishman's" words—or, at any rate, the clean-handed ones, are so few as to render any protest unavailing. I have always laid down the principle for myself that it is wrong to offer any article for sale which ministers to immorality, and it cannot be denied that those who keep these articles are facilitating the moral and physical ruin of those who purchase them and of the assistants they employ who sell them. This evil threatens to undermine the vitality of the nation, and it is terrible to contemplate that a body of intelligent men are encouraging it. The travellers who introduce these goods are really ashamed of them, and will not attempt to push them if given a decided refusal at first.

A chemist's shop is regarded as a respectable place, consequently men will go there who would not be seen coming out of a shop with a questionable repute. If chemists would only face the morality of this question without regard to gain, the trade might be purged of this odious business in six months.

I would suggest that some clean-handed member of the trade in every town should submit a resolution to the next meeting of his local association condemning the practice of the sale of these goods as immoral.

If the Pharmaceutical Society showed themselves as anxious to raise the moral status of the trade, as they do the intellectual and social, we might soon be rid of this business.

Yours faithfully,  
FRANK F. COX.

SIR,—I would like to raise my voice in support of the views expressed by "An Englishman" in your last issue. I, in my past days, "have been expected to," and accordingly have sold the obnoxious articles referred to; for, although detesting the action, I had not the fortitude to refuse.

It behoves the Pharmaceutical Society, which is charged with the keeping and well-being not only of its members, but of chemists and chemists' employes as a whole, to endeavour to its utmost to obtain legal measures prohibiting the loathsome trade; and, as those gentlemen cannot but have been cognisant of it, it is to their infinite shame that they have not long ago crushed it in its bud. I would call upon every clean-minded man, and upon everyone who claims any semblance of moral rectitude, to express their denunciation of this vile practice, and so to force the Society to take suitable measures. The voices of units, thus added together, might carry the day; for I venture to think that no one would dare to attempt to openly defend it. Were it thus condemned, many assistants who now sell the things because they feel compelled to do so would probably gain courage and refuse to soil their hands with the devil's instruments.

Sincerely yours,  
ASSISTANT. (172/13.)

#### Holidays and Early Closing.

SIR,—This Jubilee year should not pass, I think, without some determined effort being made to obtain for masters, as well as for assistants and apprentices, some amelioration of the strain which long hours impose upon them.

Circumstances alter cases, I know; but speaking for myself—and probably many other chemists—I beg to say that at the present moment, during the fortnight's absence of my apprentice on his holiday, I feel very much like one of those "slaves" that Britons say they "never will be." From the tyranny of custom I open at 7 A.M. and "lock door" at 10 P.M., and cannot leave the shop for a moment except to go indoors for meals, &c., and even then at any moment, and frequently, may be called to answer that imperious bell.

The eight-hour movement appears to be in the ascendant, and I write to ask who will lead, and who will follow, a general movement throughout the trade for shorter hours?

Yours truly,  
JULY 20.  
COUNTRY CHEMIST. (173/8.)

#### DISPENSING NOTES.

##### Last Week's Prescriptions.

SIR,—I have had considerable experience with mixtures containing bismuth and iodides, and have always found the change of colour take place when the subnitrate is dispensed with an iodide, but have only on one occasion found the carbonate produce the same chemical change; that, I concluded, was due to an impurity. Carbonate of bismuth and iodide of potassium are not incompatible, whereas it is impossible to use the subnitrate without producing the red oxyiodide. I believe it is not intentional on the part of the prescriber, therefore it is better to use the subcarbonate, and make a note to that effect on the prescription.

Ammonium Bromide and Bark.—The fresh decoction should be used; but I can tell "Huxham" that where the concentrated decoction is taken advantage of, a mixture with much precipitate and a deep red colour is the result.

Yours truly,  
BISMUTH (172/80)



## A Tough One.

SIR,—I should be glad to know how the enclosed prescription can be prepared as a 5-gr. pill, as my customer has had it made of that size, and complained of mine, which weighed about 7 gr., the quantity of excipient used (p. glycyrr.) making them weigh quite that:—

|               |     |     |     |                    |
|---------------|-----|-----|-----|--------------------|
| Creasoti      | ... | ... | ... | gr. ij.            |
| Quin. sulph.  | ... | ... | ... | gr. iss.           |
| Ferri arsen.  | ... | ... | ... | gr. $\frac{1}{10}$ |
| Pil. rhei co. | ... | ... | ... | gr. j.             |

Ft. pil. j. Mitte tales 32.

One twice a day.

Yours respectfully,

X. Y. Z. (159/63.)

[Will some dispensers give this a trial?]

## Eye-lotion.

171/32. *Mac.*—The prescription seems to be a cipher, but we should read it as follows:—

|                           |     |     |        |
|---------------------------|-----|-----|--------|
| Liq. plumbi [sub] acet.   | ... | ... | 5ss.   |
| Acid. a[ce]tic. [d]il.    | ... | ... | 5iss.  |
| V.F.O. (t.d.) [vin. opii] | ... | ... | 5ij.   |
| Aq. laur. [ocerasi]       | ... | ... | 5iv.   |
| Aq. m. ad                 | ... | ... | 5viij. |

Sig.: More dictu.

## Not a Cipher.

SIR,—The following "copy" was handed in recently, and although it bore no stamp the patient had received two lots of the powders. Would you kindly state what the ingredients are, and if they are rightly named, as we could find no reference to them?—

|                       |     |     |        |
|-----------------------|-----|-----|--------|
| Cardamine pratensis   | ... | ... | 5ij.   |
| Ext. acaulis          | ... | ... | 5j.    |
| Gum urbanum           | ... | ... | gr. 45 |
| Dorstenia Contrayerva | ... | ... | 9j.    |

Ft. pulv. et div. in xxiv.

Cap. j. h.s.

Yours truly,

EXEMPLUM. (170/63.)

[*Cardamine pratensis* is a well-known cuckoo-flower. The dried leaves and flowers have a diuretic action and are used for that purpose. A word has been omitted from the second ingredient. *Gum urbanum*, or water avens, is also well known. The root (*radix caryophyllatæ*) is used as an aromatic astringent in the treatment of diarrhoea. *Dorstenia Contrayerva* is the old contrayerva-root, which at one time was much used for dysentery and diarrhoea. We have no doubt that all the ingredients of the prescription can be got from such a firm as Messrs. Potter & Clarke.]

## LEGAL QUERIES.

167/48. *J. H. S.*—It is not now possible to obtain registration as a dentist without going through the curriculum and passing the examinations. See our Educational Number.

169/23. *J. L. E.*—You will find full particulars of the dentists' curriculum in our Educational Number which is always published in the early part of September.

169/39. *Subscriber.*—The length of notice to be given by or to servants depends on the custom of the trade. In our opinion that custom is one month in ordinary cases in the retail drug-trade. Your remedy against an assistant who leaves at less than a month is to sue him in the County Court for the amount of the month's salary.

171/74. *Vet.*—Please refer to our Educational number for particulars of the veterinary course and examinations. You can get a copy from the publisher for 4d.

171/69. *Corns.*—We know of no institution where certificates of skill in chiropody are given.

173/7. *A. Peel.*—We regard chloric ether as a poison because it is given in the British Pharmacopœia as a synonym for spirit of chloroform; spirit of chloroform cor-

tains chloroform, and chloroform is scheduled as a poison under the Pharmacy Act.

173/4. *Justicia.*—It is legal for a person who was a registered chemist and druggist, and who has since graduated as M.B. and C.M., to continue to carry on his business as heretofore, describing himself as a chemist and druggist.

174/71. *Sub Judge.*—The letter should be addressed to The Clerk of the Privy Council, Whitehall, London. No particular form is necessary.

## MISCELLANEOUS INQUIRIES.

159/4 *T. J.*—*Sewage Treatment.*—Bacteriology, as applied to sewage, is so much in the region of the unexplored that there are practically no text-books of note dealing solely with the subject. Reports such as those of Mr. J. Parry-Laws to the London County Council on the bacteriology of sewer-air, and those of Marshall-Ward and Frankland on the bacteriology of water to the Royal Society, are of extreme value; but for text-books on the subject it is hard to beat Dr. Sims Woodhead's "Bacteria and their Products," Klein's "Micro-organisms and Disease," and Crookshank's "Bacteriology." In regard to the estimation of the amount of purification effected, it must be remembered that one is dealing with fractions of a grain per gallon, and there are no rough-and-ready methods of dealing with these quantities. A complete analysis of the sewage and the effluent is the only method to adopt. This should cover more than the estimation of albumenoid, ammonia, and oxygen absorbed. Of enormous value as a criterion of the proper working of sewage-filters, whether natural or artificial, is the amount of nitrification going on; and the estimation of nitrates and nitrites should never be omitted.

160/18. *P. M.*—Send us another sample, if you can; but you may be able to test it yourself. It is sure to be either an acid sulphate or an acid phosphate. The latter is now much used, and much liked. If you had strictly followed our rule in regard to labelling the sample, there would have been no delay about the matter, and our analyst would have been saved a lot of trouble.

155/63. *Jubilee.*—Thanks for your joke; but "O. S." wants something more original than a cat for catching mice.

164/2. *J. M.*—In regard to the removal of Indian-ink from the skin, see the paragraph on tattoo-marks in our issue of June 12, page 935.

162/69. *R. C. H.*—*Nickel-plating.*—See Brant's "Metal-worker's Handybook," advertised in the *C. & D.* by Sampson Low & Co. It will give you all the information you require.

163/4. *E. H. H.*—(1) Philip Harris & Co. (Limited), Birmingham, are, we should think, the firm you mean. (2) The crystallisation of fluid magnesia is solely a question of the escape of carbonic-acid gas. Dinneford's is no different from others in this respect as soon as the cork is taken out. Fluid magnesia should never be kept in shop-rounds, because the temperature of the shelves varies. (3) You seem to have looked for the formula for *Unna's Dressing* everywhere but in the proper quarter—the *C. & D. DIARY*, 1897, page 273.

154/39. *J. L. J.*—The *Starch-glaze Cake* is a piece of well-dried cocoa-nut-oil soap—nothing more. Any soap-maker will match it for you.

162/14. *A. B.*—*Dry Rot.*—The best thing to arrest this is saturated solution of corrosive sublimate. Soak it warm into the wood, and after a few days wash with weak ammonia and water.

159/10. *Proofer.*—*Waterproofing Cloth.*—The method of treatment which your customer is thinking of is, perhaps, that which depends upon a deposition of lead sulphate in the fibre, which is done by dipping the cloth in a solution of lead acetate, and then in a solution of sodium sulphate. A dip in a weak glue solution immediately after the lead-bath is beneficial. The resulting cloth is not absolutely waterproof, but there are several methods on substantially the same principle.

164/49. *A. S.* (N.S.W.) (1) Try your colonial fleas and ants with the following mixture. Seeing that **Insect-powder** alone does them no harm, this may surprise them:—

|                               |       |
|-------------------------------|-------|
| Naphthalin in fine powder ... | 1 oz. |
| Powdered hellebore ...        | 1 oz. |
| Oil of lavender (foreign) ... | 1 dr. |
| Insect-powder ...             | 1 lb. |

Mix well.

(2) **Ringworm-lotion:—**

|                 |      |
|-----------------|------|
| Calomelanos ... | 9j.  |
| Tr. iodi ...    | 3ss. |

M.

Apply the clear liquid to the affected part without shaking the bottle.

163/65. *Still Perplexed.*—You will find formaline to be the best preservative of the tomato-paste. We can make no further suggestion regarding the colour. Probably brazilin, the colouring principle of the wood, has been used; but we should try an aniline colour—say, ordinary magenta.

166/24. *West Sussex.*—(1) We are inquiring for you. The oil has not become popular in this country. (2) The fucus mixture should not cause rheumatism, but tend to relieve it, owing to the iodide which it contains. The reduction of obesity is understood to be due to the iodide, but relief does not always follow.

166/23. *Kina.*—For the **Lumbago** which is proving refractory try the following mixture:—

|                      |       |
|----------------------|-------|
| Acidi salicylici ... | 3j.   |
| Potassæ acetat. ...  | 5ij.  |
| Aq. ...              | 5iss. |

Solve et adde—

|                           |      |
|---------------------------|------|
| Ext. glycyrrhizæ liq. ... | 5ij. |
| Succi scoparii ad ...     | 5iv. |

M.

Dose: A teaspoonful three or four times a day.

165/40. *Lavabo.*—You will find a **Bath-tablet Formula** in our issue of July 3, page 34.

166/6. *Theophilus.*—See reply to "J. T. B."

165/62. *Ebor.*—**Sarsaparilla-mixture.**—The subjoined is a formula for a cheap article, which may meet your case:—

|                           |       |
|---------------------------|-------|
| Potass. chlorat. ...      | 5ij.  |
| Ext. senne dulc. ...      | 5iss. |
| Ext. glycyrrhiz. liq. ... | 5ij.  |
| Dec. sarsæ co. conc. ...  | 5iv.  |
| Spt. chloroform. ...      | 5ss.  |
| Aq. ad ...                | Oij.  |

M. et S.

Dose: One tablespoonful three times a day

188/10. *Aberdeen.*—For repairing the carboy-foot use an isinglass cement, such as coaguline. See also page 70 of the last volume.

165/63. *Herts.*—The best way to get the flavour of 15 minims of oil of lemon incorporated with 2 oz. of an acidulous watery solution is to use the terpeneless oil: a single drop of it will do.

167/65. *Veritas.*—**Toilet-paraffin** (as now generally sold) is a liquid vaseline oil, such as O.T.C. Petrolia, and not a mixture of that with burning-oil.

162/66. *J. T. B.*—**Sticky Fly-paper Composition:—**

|                        | Parts |
|------------------------|-------|
| Boiled linseed oil ... | 8     |
| Resin ...              | 2     |
| Castor oil ...         | 1     |
| Neatsfoot oil ...      | 1     |

Melt all together.

The quantities of non-drying oils and of resin must be adjusted to the consistency of the linseed oil. The above quantities are for a gelatinous boiled oil. Honey and the like should not be added, as they are useless for attracting the flies, and disturb the transparency of the composition. A little colouring-matter may be added.

167/44. *R. S.*—**Brown Hair-dye** (one-solution).—About the best thing of the kind is liq. potass. permang., B.P. It should be applied to the recently-washed hair, as it does not act well on greasy hair.

167/41. *Res.*—**Lime-cream and Glycerine.**—See *C. & D.*, May 8, page 748.

169/52. *Vrium.*—**Black Sulphur** is the residue left in sulphur-subliming pots. Originally it was the crude sulphur.

169/55. *Hungarian* (Buda Pest).—**Miscible Extract of Cascara Sagrada.**—In our **DIARY** for the current year, page 271, you will find particulars of an excellent process which yields an extract almost free from bitter taste. You may use the product so obtained in making the elixir, for which you will find a formula on page 268.

171 5. *Adam's Peak* (Ceylon).—Warington's "Chemistry of the Farm" (Bradbury, 2s. 6d.) and Frankland's "Agricultural Analysis" (Macmillan, 7s. 6d.). The latter is more suitable for the analysis of manures.

170 26. *Neutral* (Melbourne).—The odour of Venice turpentine may be improved by the addition of lemongrass-scented eucalyptus oil, which is as effective as anything. A little artificial heliotropin also has a decidedly good effect, as the odour is highly persistent.

## INFORMATION WANTED.

*The Editor will be obliged for replies to the following from any who can furnish the information.*

170/67. Names of makers of mastic cement.

164/18. Makers of acetylene-gas apparatus.

171/42. Address of Mr. Jones, maker of Epsom court-plaster.

166/24. Lemon-scented eucalyptus oil: where obtainable?

171/46. Names of importers of Dika oil.

173/14. Chinese handkerchiefs, similar in appearance to tissue-paper: where obtainable?

174/34. Who makes the fancy-perfume boxes for Christmas goods?

174/15. Machine for spreading sticky fly-papers: who makes, or where obtainable?

## Trade-Marks Applied for.

(From the "Trade Marks Journal," July 21, 1897.)

"RAILWAY," with device of railway-bridge and train (the essential particular); for goods in Class 2 (chemicals, &c.). 204,251.

Figure of an anchor; for veterinary chemicals, copper sulphate, and dog-soap. 205,193.

"HIGHLAND," with device of a Highland lass tramping clothes in a stream (the essential particular); for sheep-dips. 205,311. These three by Lever Brothers (Limited), Port Sunlight, who also apply for a dozen or so trade-marks of less interest in various sections.

Signature of the applicant; for an embrocation. By Matthew Harvey, hardware manufacturer, Camsock. 201,144.

"PROCTER'S POWDERS," with device of a wizard (the essential particular). By the Rev. John Procter, Accrington. 203,153.

"COX'S CHAMPION NERVE-TOXIC," upon a label (the device of which is the essential particular); for a medicine. By H. S. Cox, chemist, Kettering. 203,360.

Figure of a woman on a cocoa-nut (which device is the essential particular) with the word "boon"; for medicated soap By Lever Brothers, Port Sunlight. 204,151.

"LOMELA" (in script); for a cattle-feed. By W. H. Powman corn-factor, Bakewell. 205,552.

"RHINEGOLD"; for perfumery, toilet articles, &c. By F. Mühlens, Cologne. 203,415.



# REDUCED PRICES OF VINOLIA PREPARATIONS.

 See list of New Vinolia Preparations below.

| NAME OF PREPARATION.                                                                                              |  |  |  |  |  | TRADE PRICES PER DOZEN, |                       |
|-------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|-------------------------|-----------------------|
|                                                                                                                   |  |  |  |  |  | OLD.                    | NEW.                  |
| <b>VINOLIA PERFUMES.</b> Indirect square and cannon bottles, with green label. 2/- size ... ..                    |  |  |  |  |  | 16/-                    | 15/-                  |
| <b>VINOLIA PERFUMES.</b> Indirect square and cannon bottles, with green label. 3/6 size ... ..                    |  |  |  |  |  | 30/-                    | 26/-                  |
| <b>WHITE ROSE and CUCUMBER SOAP.</b> Box of 3 tablets<br>(Also now supplied in 36-tablet boxes at 9/- per box.)   |  |  |  |  |  | 12/-                    | 9/6                   |
| <b>VINOLIA VIOLET POWDER.</b> In packets ... ..<br>(The price of Vinolia Violet Powder in tins is 3/4 per dozen.) |  |  |  |  |  | 3/4                     | 3/-                   |
| <b>VINOLIA SHAVING FOAM (TOILET).</b> 1/- size ... ..                                                             |  |  |  |  |  | 9/2                     | 8/-                   |
| " " " " 1/6 " ... ..                                                                                              |  |  |  |  |  | 13/9                    | 12/-                  |
| " " " (VESTAL). 2/6 " ... ..                                                                                      |  |  |  |  |  | 22/10                   | 20/-                  |
| <b>VINOLIA PASTILLES.</b> For the Voice ... ..                                                                    |  |  |  |  |  | 9/2                     | 2 3                   |
| <b>VINOLIA PERFUME SAMPLES.</b> New square bottles ... ..                                                         |  |  |  |  |  | 24/-<br>per gross       | 18/-<br>per gross     |
| " " " In round bottles ... ..                                                                                     |  |  |  |  |  | 24/-<br>per gross       | 12/-<br>per gross     |
|                                                                                                                   |  |  |  |  |  | RETAIL PRICES.          | TRADE PRICES          |
|                                                                                                                   |  |  |  |  |  | Reduced from            | Per doz. Reduced from |
| <b>VINOLIA SHAVING STICK.</b> In gilt and celluloid cases ... ..                                                  |  |  |  |  |  | 1/6 to 1/3              | 13/9 to 11/5          |
| <b>LYPSYL.</b> In ivory-like cases ... ..                                                                         |  |  |  |  |  | 9d. to 6d.              | 6/- to 4/-            |
| <b>VINOLIA BRILLIANTINE.</b> Hair and Moustache. Medium ... ..                                                    |  |  |  |  |  | 2/- to 1/9              | 16/- to 14/-          |
| " " " Large ... ..                                                                                                |  |  |  |  |  | 3/6 to 3/-              | 28/- to 24/-          |
| <b>VINOLIA BABY SOAP.</b> Will be put up in 36-tablet boxes at 11/4 per box.                                      |  |  |  |  |  |                         |                       |

## New Vinolia Preparations.

|                                                                                                   |  |  |  |  |  | RETAIL PRICE | TRADE PRICE |
|---------------------------------------------------------------------------------------------------|--|--|--|--|--|--------------|-------------|
|                                                                                                   |  |  |  |  |  | Each         | Per doz.    |
| <b>VINOLIA TOOTH PASTE.</b> In Collapsible Tubes ... ..                                           |  |  |  |  |  | 1/-          | 5/3         |
| <b>LAIT VINOLIA.</b> In Opal Bottle, very elegantly labelled ... ..                               |  |  |  |  |  | 1/-          | 8/-         |
| <b>VINOLIA SHAVING CREAM</b> (for use without water) ... ..                                       |  |  |  |  |  | 1/-          | 8/-         |
| <b>VINOLIA HAIR WASH</b> (Moist) ... ..                                                           |  |  |  |  |  | 1/6          | 13 9        |
| " " " (Dry) ... ..                                                                                |  |  |  |  |  | 1/6          | 13 9        |
| <b>VINOLIA PERFUME CASKET</b> (Leatherette), containing One 1/- Indirect Square Bottle of Perfume |  |  |  |  |  |              | 15 6        |
| " " " " " Two 1/- " Bottles                                                                       |  |  |  |  |  |              | 26 -        |
| " " " " " Three 1/- " "                                                                           |  |  |  |  |  |              | 36 -        |
| " " " " " One 1 3 Bottle of Perfume                                                               |  |  |  |  |  |              | 15 6        |
| " " " " " Two 1/3 Bottles                                                                         |  |  |  |  |  |              | 26 -        |
| " " " " " Three 1 3 " "                                                                           |  |  |  |  |  |              | 36 -        |

The above Trade prices subject to usual Discounts of 7½%, and 2½% for Cash in 10 days (10% in all).

Usual terms as to payment of carriage.

Complete Price List sent on application.

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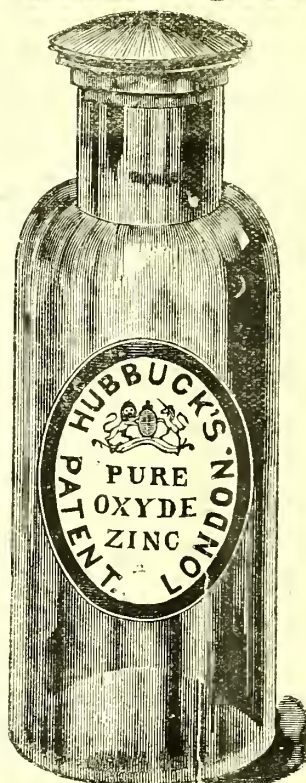
*Sold by the following Wholesale Druggists,  
in Boxes of 7 lbs. and 14 lbs., stamped by  
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Davy, Hill & Son, Yates  
& Hicks.  
Duncan, Flockhart & Co.  
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King.

Hodgkinsons, Treacher &  
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Horner & Sons.  
Huskinson, H. O., & Co.  
Ismay, John, & Sons.  
Johnson & Sons (Lim.)  
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Mackey, Mackey & Co.  
Oldfield, Pattinson & Co.  
Pinkerton, Gibson & Co.  
Raines, Clark & Co.  
Raines & Co.  
Southall Bros. & Barclay.  
Sumner, R., & Co.  
Taylor, James.  
Thacker & Hoffe (Lim.)  
Thompson, H. A.  
Thompson, John (Lim.)  
Tyrer, Thos. & Co.  
Walker, Troke & Co.  
Willows, Francis & Butler.  
Woolley, Jas., Sons & Co.  
(Lim.)  
Wright, Layman & Umney.  
Wyleys (Lim.)

Quarter, Quarter & Kilham,  
Boston.  
Finlay & Brunswick, New  
Orleans.  
Langley & Michaels, San  
Francisco.  
Lazell, Dalley & Co., New  
York.  
Lehn & Pink, New  
York.

McKesson & Robbins,  
New York.  
Muth Brothers & Co.,  
Baltimore.  
Roller & Shoemaker,  
Philadelphia.  
Schieffelin, W. H., & Co.,  
New York.  
Shoemaker, R., & Co.,  
Philadelphia.  
Weeks & Potter, Boston.



## HUBBUCK'S PURE OXIDE

Is made by Sublimation, and is Warranted  
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**99 PER CENT.**

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not traceable.

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Colours, Varnishes, &c.**

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# CAPSULED "McK. & R." PILLS

McKesson & Robbins : Originated 1870 : New York.

## WHY SHOULD THE "McK. & R." PILLS BE PRESCRIBED?

1. Because they are prepared from materials of the highest quality only.
2. Because they are made according to the B.P. or other Standard Authorities, and therefore all the combinations are well tried and of recognised value.
3. Because they are taken pleasantly—being tasteless—and readily, being ovoid in form.
4. Because they are not subjected at any stage of preparation to the injurious action of heat.
5. Because the coating of *pure transparent gelatine* preserves the contents from oxidation.
6. Because they are always soluble, and the contents soft and quickly disintegrated.

## LIST OF PRINCIPAL CAPSULED PILLS.

Aloes, all the B.P. combinations..... 5 gr.  
 Aloes, Dilute (Dr. Hall Dinner Pill)..... 4 gr.  
 Aloes Barb.  
 Saponis Pulv.  
 Pulv. Ext. Glycyrrh.  
 Theriaca, Æa..... 1 gr.  
 Aloes and Nux Vomica—  
 Aloes Soc. .... 1½ gr.  
 Ext. Nucis Vom..... ½ gr.  
 Aloin ..... 1 gr.  
 Aloin, various combinations.  
 Anti-Dyspepsia (Fothergill)—  
 Strychnine ..... ½ gr.  
 Pulv. Piper Nig. .... 1½ gr.  
 Pulv. Ipecac..... 2-3 gr.  
 Ext. Gent..... 1 gr.  
 Arsenious Acid..... 1-20, 1-50 gr.  
 Asafetida, U.S. and B.P. .... 5 gr.  
 Atropine ..... 1-100, 1-300 gr.  
 Blue Pill, B.P. .... 1, 2, 3, 5 gr.  
 Blue Pill, with Colocynthis and Hyoscyam..... 5 gr.  
 Calomel Sulphide ..... 1-10, 1-4, 1-2, 1 gr.  
 Calomel, Colocyn., and Hyosc..... 5 gr.  
 Calomel Co., B.P. .... 5 gr.  
 Camphor and Hyoscyam..... 2 gr.  
 Camphor  
 Ext. Hyoscy. Æa ..... 1 gr.  
 Cannabis Indica ..... 1-4, 1-2 gr.  
 Cascara Sagrada..... 3 gr.  
 Cathartic Comp., U.S.P.  
 Ext. Jalap ..... 1 gr.  
 Ext. Coloc. Co. .... 1-13 gr.  
 Hyd. Subchlor. .... 1 gr.  
 Gambog. .... 1-4 gr.  
 N.B.—The ready solubility of the "McK. & R." Pills is readily proved by taking a dose of these.  
 Colocynthis Comp., B.P. .... 4, 5 gr.  
 Colocynthis, other combinations.  
 Copaiba Compound—  
 Oubee Pulv. .... 2 gr.  
 Ferri Sulph. Exsic. .... 1-2 gr.  
 Mass. Copeib. .... 1 gr.  
 Tereb. Venet..... 1-12 gr.  
 Corrosive Sublimate..... 1-30, 1-20, 1-10 gr.

Croton Oil..... 1-2 gr.  
 Diuretic—  
 Ext. Buchu, Potass. Nitrat..... 1 gr.  
 Scilla Pulv. .... 1-2 gr.  
 Emmenagogue—  
 Ferr. Sulph. Exsic. .... 1-12 gr.  
 Thus, American ..... 1-12 gr.  
 Aloes Socot. .... 1-2 gr.  
 Ergotin ..... 3 gr.  
 N.B.—Each Pill = 30 gr. ergot or 30 ms. fl. extract. This form is more reliable and uniform in effect and more agreeable than the liquid preparations.  
 Eucalyptin ..... 2, 3 gr.  
 Iodoform and Iodoform with Iron..... 1 gr.  
 Ipecac. .... 1-4, 5 gr.  
 Ipecac. Co. .... 5 gr.  
 Ipecac. and Squill, B.P. .... 5 gr.  
 Iron Pill, B.P. Add. .... 3, 5 gr.  
 Iron Arseniate..... 1-8 gr.  
 Iron reduced by Hydrogen (Quevenne)..... 1, 4 gr.  
 Iron and Quinine Citrate..... 2 gr.  
 Laxative, Vegetable—  
 Res. Podoph. .... 1 gr.  
 Ext. Hyoscy. .... 1 gr.  
 Ext. Tarax. Æa..... 1-4 gr.  
 Ext. Coloc. Co. .... 1 gr.  
 Jalape ..... 1 gr.  
 Res. Leptand. Æa..... 1-2 gr.  
 Ol. Menth. Pip.  
 Mercury, Biniodide ..... 1-16 gr.  
 Mercury, Proto-iodide.... 1-20, 1-16, 1-8, 1-4 gr.  
 N.B.—Made from the absolutely pure *yellow* impalpable powder, free from mercury and from biniodide.  
 So-called "green" proto-iodide contains uncombined mercury.  
 Mercury with Chalk ..... 1 gr.  
 Morphine Muriate ..... 1-8, 1-4 gr.  
 Nitro-Glycerine ..... 1-200, 1-100, 1-50 gr.  
 Opium ..... 1 gr.  
 Opium and Camphor..... 1 gr.  
 Opil Pulv. .... 1 gr.  
 Camphoræ ..... 2 gr.  
 Pepsin, Pure ..... 1 gr.  
 Phosphorus ..... 1-100, 1-50, 1-30 gr.

N.B.—In no kind of Pill are the advantages of the "McK. & R." method better exemplified or more in request. No other brand of Phosphorus Pills is equally reliable for the administration of the unoxidised medicament.  
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 Phosphor. Pur. .... 1-50 gr.  
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 Phosphor. Pur. .... 1-100 gr.  
 Ferri Carb. .... 1 gr.  
 Quinine Sulph. .... 1 gr.  
 Phosphorus and Nux Vomica—  
 Phosphor. Pur. .... 1-50 gr.  
 Ext. Nucis Vom..... 1-4 gr.  
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 Phosphor. Pur. .... 1-50 gr.  
 Quinine Sulph. .... 1 gr.  
 Phosphorus and Valerianate of Zinc—  
 Phosphor. Pur. .... 1-50 gr.  
 Zinc Valer. .... 1 gr.  
 Plorotoxin ..... 1-80 gr.  
 Podophyllin ..... 1-8, 1-4, 1-2 gr.  
 Quinine, Bisulphate .... 1-4, 1-2, 1, 2, 3, 4, 5 gr.  
 Quinine, Sulphate ..... 1-4, 1-2, 1, 2, 3, 4, 5 gr.  
 Quinine Co. (Anti-Malarial).  
 Largely prescribed in America with excellent results.  
 Rhubarb Comp., B.P. .... 5 gr.  
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 Salicylic Acid..... 2, 5 gr.  
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 Strophanthus ..... 1-20, 1-4 gr.  
 Strychnine ..... 1-50 gr.  
 Tonic Laxative (Fothergill)—  
 Quinine Sulph. .... 2-3 gr.  
 Strychn. .... 1-30 gr.  
 Ferri Redact. .... 1 gr.  
 Ext. Bellad. Æa ..... 1-4 gr.  
 Valerianates, Iron, Quinine, and Zinc.  
 Warburg's Tincture and the same without Aloes.  
 Each Pill = 1 fl. dr. of the Tincture.  
 Zinc Phosphide ..... 1-4, 1-2 gr.  
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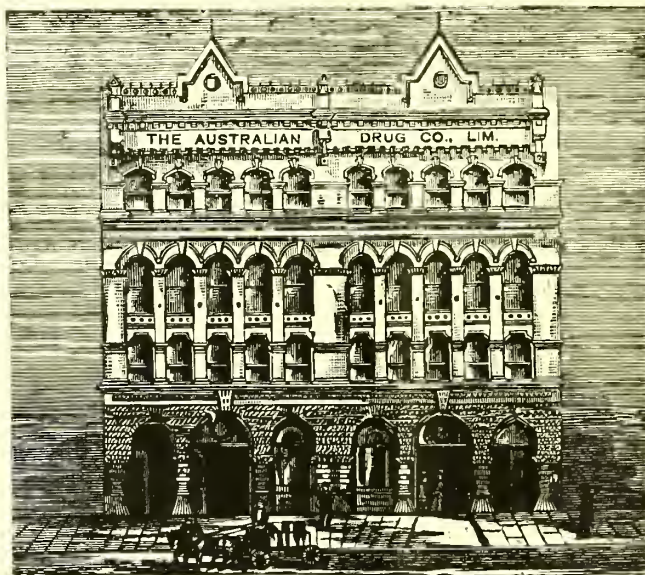
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we wish to state that the amount is one-eighth ( $1/8$ ) of one grain to a fluid ounce. As there are eight teaspoonfuls to an ounce, the amount of morphine in a teaspoonful, our maximum dose, is one sixty-fourth ( $1/64$ ) of a grain.

It will be seen that this is very much less than the quantity used in other preparations authorised by the Pharmacopœia.

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Dose.—Half to one teaspoonful two or three times a day.  
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Fluid Extract, 2s. 6d. per oz. Bottles.  
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Containing the active principle of the Thyroid Glands of the sheep, 4 grains equal to about one-eighth of a fresh gland. Also PILLS and TABLETS, each containing a dose of Thyroidine.  
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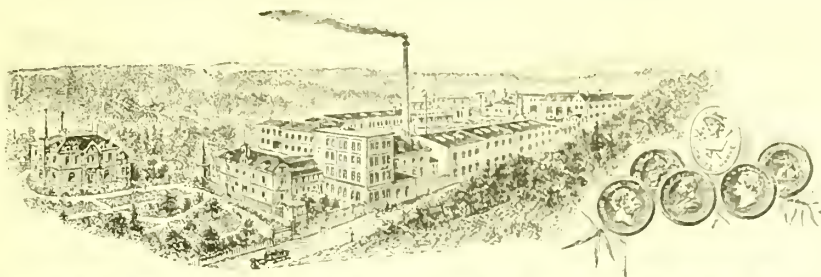
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ESTABLISHED 1751.

Leaflets descriptive of above and List of Drugs and Pharmaceutical Preparations on application.





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CHEMICAL WORKS at HELFENBERG, near DRESDEN.

## PRICE LIST.

### Dieterich's Ferro-mangan Preparations—

|                                                     |                                               |
|-----------------------------------------------------|-----------------------------------------------|
| Liquor ferro-mangani saccharati (Dieterich)         | 8-oz. bottle (retail, 2 3/-; per doz., 20/-)  |
| Liquor ferro-mangani peptonati (Dieterich)          | 16-oz. bottle (retail, 4/-; per doz., 34 6/-) |
| Liquor ferro-mangani peptonati cum iodo (Dieterich) | Can be had unstamped for dispensing.          |

The ferro-mangan saccharate and ferro-mangan peptonate are unrivalled in their efficacy in all cases of anemia and chlorosis, and are of very pleasant taste. They do not affect the teeth, and are never refused by patients even if taken for a long time.

The ferro-mangan peptonate with iodine was found to be an excellent substitute for cod-liver oil, especially in summer time, when the use of cod-liver oil is generally discontinued.

### Dieterich's Umbilical Rubber Bandage—

Diameter, 70 mm. (retail, 7 1/2/-); per doz., 3 10/-; per gross, 43 6/-.

Diameter, 90 mm. (retail, 10/-); per doz., 5 6/-; per gross, 63/-.

This umbilical bandage is a very saleable article, and of proved utility; as the price is trifling compared with the bandages now on the market, a trial surely will pay.

### Dieterich's Cod-liver Oil Compounds—

|                                                                                                                                                                                                                             |                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Cod-liver oil with : bromine and sulphur, iron and bromine, iron and iodine, iron-manganese and quinine, iron-manganese and bromine, iron-manganese and iodine, iodine and sulphur, iodine and tannic acid, quinine .. .. . | Retail, 2/-.<br>Per doz., 16 6/-. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|

|                                                                                              |                                   |
|----------------------------------------------------------------------------------------------|-----------------------------------|
| Cod-liver oil with : iron, iron-manganese, iron-manganese and phosphorus, phosphorus .. .. . | Retail, 1 9/-.<br>Per doz., 15/-. |
|----------------------------------------------------------------------------------------------|-----------------------------------|

Dieterich's cod-liver oil compounds are the best preparations as to taste and efficacy known to the profession.

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For adults .. .. . Retail, 2 6/-; per doz., 18 6/-.

For children .. .. . Retail, 2/-; per doz., 13/-.

Its unrivalled efficacy in expelling tapeworms is due to the employment of extract of male fern of superior quality in combination with castor oil. Given in that manner a relatively small quantity of the extract is sufficient, and all disagreeable after-effects caused by large doses of the extract are avoided.

### Dieterich's Extract of Malted Acorns—

Retail, 1 9/-; per doz., 12/-.

Was found very useful in rickets of children, and for persons suffering from malnutrition.

### Dieterich's Court-plaster—

Spread on silk; width, about 20 inches:

White, flesh-coloured or black, flesh-coloured .. Rolls of 1 yard, 4/-; articulated or flesh-coloured salicylated .. 5 yards, 19/-.

In attractive envelopes containing one leaf of plaster:

Flesh-coloured, white or black, size 35 by 60 mm. (1d. retail), 2 10 per 100; 12 9 per 500.

Ditto, size 60 by 70 mm. (2d. retail), 5/- per 100; 24/- per 500.

In stylish fancy pocket-cases, containing one leaf of plaster:

Flesh-coloured, white or black, size 35 by 60 mm. (1d. retail), 3/- per 100; 14/- per 500.

Ditto, size 60 by 70 mm. (2d. retail), 5 6 per 100; 25 6 per 500.

Customers' name and address will be printed on every envelope or pocket-case at a charge of 1/- per hundred. On buying 500 at the time, of one size, this will be done gratis.

### Dieterich's Mustard-plaster—

| Cardboard boxes containing: | Leaves | 50 | 100 | 500       |
|-----------------------------|--------|----|-----|-----------|
| 100 leaves each .. .. .     | ..     | .. | ..  | 23 9 9    |
| 50 leaves each .. .. .      | ..     | .. | ..  | 15 — 10 6 |

Lithographed tin boxes containing:

|                         |    |    |    |           |
|-------------------------|----|----|----|-----------|
| 100 leaves each .. .. . | .. | .. | .. | 2 10 12 3 |
| 10 leaves each .. .. .  | .. | .. | .. | 23 — 19 9 |

Comparing analysis proved that Dieterich's mustard-plaster is the strongest on the market, as no other forms so much mustard-oil when dipped in water as Dieterich's.

### Dieterich's Glue-bandages (Colligamen)—

|                                                                                                                                                                                                                                |                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Glue-bandage, with acetate of lead 5%, or acetate of alum. 5%; boric acid 3%, or Hebra ointment 10%; eublimat 0.1%, or salicylic acid 3%; sulphur 10%, or oxide of zinc 25%; zinc and salicylic acid 25%: 5%, or plain .. .. . | Per 1 doz. rolls of<br>1 2 5 yds.<br>3 3 6 2 15 5 |
| Glue-bandage, with ichthyol 5%, or Iodoform 5%; Ioretin 5%, or zinc and ichthyol 25%: 4% .. .. .                                                                                                                               | 5/- 9 5 23 5                                      |
| Glue-bandage, with iodide of potassium .. .. .                                                                                                                                                                                 | 4/- 7 9 19 -                                      |
| Glue-bandage, with mercury 20%, mercury and soap plaster (20% Hg.) .. .. .                                                                                                                                                     | 6 5 12 3 30 9                                     |

### Dieterich's Soap Glue Bandages—

|                                                                                    |               |
|------------------------------------------------------------------------------------|---------------|
| Soap glue bandage, with carbolic acid 5%, or plain .. .. .                         | 2 7 4 9 11 10 |
| Soap glue bandage, with ichthyol 5%, or iodide of potash 2% .. .. .                | 3 3 6 2 15 5  |
| Soap glue bandage, with Ioretin .. .. .                                            | 5 - 9 5 23 5  |
| Soap glue bandage, with sulphur 10% or tar 10%; sulphur and tar 5% of each .. .. . | 2 7 4 9 11 10 |

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| 1/1½ size | ... | ... | ... | ... | Wholesale Price, 10/- per dozen. |
| "         | "   | ... | ... | ... | Minimum Retail Price, 1/- „ box. |
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5, 10, and 15 % CARBOLIC  
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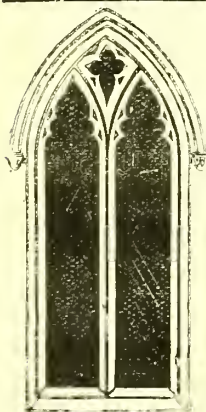
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Requires no preparation.  
Easy and clean in application.

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157,810.

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} For the Proprietor,  
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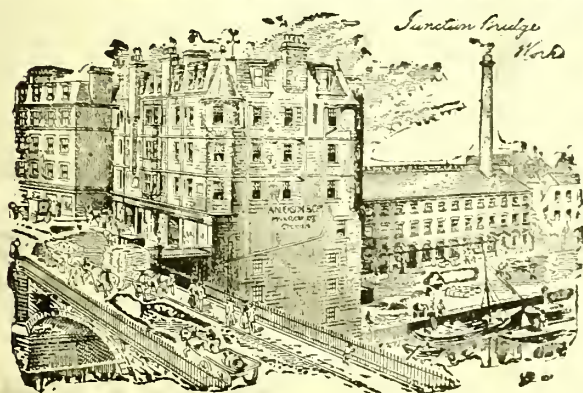
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All of ENGLISH MANUFACTURE,  
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TREVELYAN BUILDINGS,

52 CORPORATION STREET, MANCHESTER.

THE TIME IS RIPE  
FOR SELLING OUR  
**Tasteless Bird Pepper.**

***Canaries are Moulting !***

***Fanciers are Buying ! !***

**ARE YOU SELLING ?**

There is a good thing to be made out of this line—LARGE PROFITS & LARGE SALES.

OUR PEPPER is the BEST in the WORLD, and has an enormous sale.

We have already this season received over 50 letters of praise for it from Chemists and Fanciers.

See "CHEMIST AND DRUGGIST," page 21, JULY 3, 1897.

Write immediately for Prices and Samples,

**BROOK, PARKER & CO.,** WHOLESALE DRUGGISTS,

BIRD SEEDS AND FOODS AND VETERINARY DRUGS AND PREPARATIONS } A SPECIALITY

**BRADFORD.**

**G. R. HARKER, STAGG & MORGAN**

*Manufacturing Chemists, Wholesale and Export Druggists,*

15 LAURENCE POUNTNEY LANE, LONDON, E.C.

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CASCARA  
IPECACUANHA } Preparations.  
MUSK & VANILLA ESSENCES  
EMULSIONS { Cod-liver Oil  
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CONCENTRATED LIQUORS  
For Syrups and Tinctures

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SOLUBLE ESSENCES.

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LIQUID ANNATTO.

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"TORPEDO" HORSE BALLS,  
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And all other kinds of Pharmaceutical Preparations.

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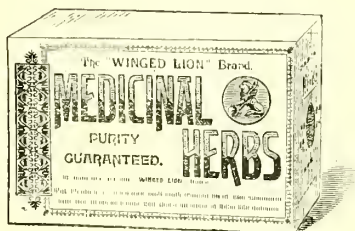


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Our Prices for the above series of Packets are now Reduced to

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USUAL ACCOUNT.



In future  $\frac{1}{4}$ -gross Cardboard Cartoons, handsomely designed and printed, will be used instead of wooden boxes, but the Packets themselves will not be altered in any way.

The following characteristics belong to our brand of Packets:—**Purity of contents is guaranteed; Quantity in Packet is carefully weighed; Useful Recipes given on each Packet; only Herbs of the finest quality used.**

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FULL LISTS ON APPLICATION TO

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# LOOK AHEAD.

## WHEN YOU ARE PRODUCING A PRICE LIST OR CIRCULAR

See that your Printer has the size of "THE CHEMIST AND DRUGGIST" PAGE.

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- Does it pay a busy man to spend his time making up a doubtful selection of names from directories ?
- Does it pay to draw names from directories at all, remembering that they are not special lists of buyers of your manufactures, but merely general address registers ?
- Does it pay to have any considerable proportion of your circulars returned undelivered in consequence of above ?
- Does it pay to lay out 50 per cent. more in postage alone than you need ?
- Does it pay to incur the additional cost of wrappers and expense of addressing when these charges are unnecessary ?
- Does it pay to employ your clerical staff on the work of despatching circulars when this, and the attending disorganisation of your office, can be avoided ?
- DOES IT PAY TO DO ANY OF THESE THINGS WHEN TIME AND MONEY CAN BE SAVED AND INCREASED EFFICIENCY BE ASSURED BY NOT DOING THEM ?

# NO

# YES

It pays to produce circulars the same size as "THE CHEMIST AND DRUGGIST" because the Winter and Summer Issues are distributed on the best selection of Members of the Trade.

It pays because the charges for distribution of circulars bound in these issues are approximately but one-third of the postage only of a distribution of your own.

It pays because there is positively no waste of circulars, none being returned through the post.

It pays because it is known absolutely that all recipients of these issues are buyers.

It pays because your circulars reach buyers, not as isolated and unrecommended printed matter, but under the attractive cover of a publication recommended by 37 years of unexampled utility.

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THE PUBLISHER OF "THE CHEMIST AND DRUGGIST,"  
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# GLUE in CAKES & POWDER.

**A. BRAUER'S CHEMICAL WORKS, LÜNEBURG**  
(GERMANY),

Manufacture Glue from Skins and Bones, Liquid and in Cakes (so-called "Cologne" Style). Also Exclusive Manufacturers of

**GLUE IN POWDER.** Made by a New Process.  
Guaranteed free from Acid and Fatty Matter, and made from Skins.

**SPECIAL ATTENTION GIVEN TO EXPORT ORDERS.**  
*Correspondence in English.*

# WHITE BEESWAX,

**WARRANTED PURE. BLEACHED BY SUN.**

**RECOGNIZED AS THE STANDARD IN THE UNITED STATES.**

*Write for Sample and Quotation, naming quantity desired.*

**THEODOR LEONHARD, PATERSON, NEW JERSEY, U.S.A.**

**ESTABLISHED 1852.**

# THE WANT OF THE DAY!

**NO MORE SOFT LINEN WHEN STARCHED.**

*Used in the Royal Laundries.*

*Should be used in Every House.*

The Greatest Boon ever offered to the Laundress for imparting an IVORY-FINISH to Starched Linen, Laces, &c. It does not stick to spider-web-like materials.

**CRITCHLEY'S**  
  
**STARCH GLOSS**

Registered No. 40376.

*Once Tried, Always Wanted.*

*Makes Old Linen Like New.*

From the Chief Laundress to H.R.H. the Prince of Wales:—West Newton, near Lynn, Norfolk, Aug. 23, 1879. SIR,—Having tried your "Starch Gloss," I certainly think it a great improvement—far superior to any I have tried.  
Yours truly,  
E. ELDER.

To Mr. CRITCHLEY.

Sold by Chemists and Druggists, Grocers, Oilmen, &c., in Packets at 1d., 3d., 6d., and 1s. each.

PREPARED ONLY BY

**T. CRITCHLEY, CHEMIST AND WHOLESALE DRUGGIST, BLACKBURN.**  
**LONDON DEPOT—107 WHITECROSS STREET, E.C.**

**THE TINPLATE DECORATING CO. LD.**

HIGHEST AWARDS  
SYDNEY.  
BARCELONA.  
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**MELYN TIN WORKS, NEATH.**

PATENTEES & MANUFACTURERS OF

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**FANCY TIN BOXES & CANISTERS**

**PRINTED IN COLOURS.**

**SEAMLESS DECORATED TIN BOXES**

**FOR POLISHING PASTE &c**



# R. HOVENDEN & SONS, BERNERS ST., W., AND CITY ROAD, E.C., LONDON.

## REVISED and ILLUSTRATED CATALOGUE FOR 1897.

500 Pages, and over 1,880 Illustrations, Post Free on receipt of  
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WHOLESALE DEALERS IN AND MANUFACTURERS OF

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## FANCY SOAPS, ESSENTIAL OILS,

TOOTH, NAIL, and HAIR BRUSHES, COMBS, CUTLERY,

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*And all Articles dealt in by Chemists, &c.*

### PROPRIETORS OF—

THE CHERUB FEEDER  
THE EASY HAIR CURLER  
GLISSADERMOS  
DOGLE'S HYPERION FLUID  
DOGLE'S MYSTIKOS  
HURCHER'S DENTIFRICE AND  
MOUTH WASH  
HURCHER'S SPECIFIC

CHURCHER'S TOILET CREAM  
COWVAN'S RAZORS, RAZOR  
STROPS, AND PASTE  
LLOYD'S EUXESIS (The Genuine)  
THE RAZOR SCISSOR  
HOVENDEN'S SHAVING SOAP  
MARRIS'S MARKING INK

SWEET LAVENDER PERFUME  
MARRIS'S ALMOND TABLETS  
AND PREPARATIONS  
MIDGET PATENT SAFETY  
SHAVER  
THORNTON'S WALNUT HAIR  
WASH  
HERRING'S MAGNETIC BRUSHES

### SOLE WHOLESALE DEPOT FOR—

BATCHELOR'S HAIR DYE  
BAINS SAVONNEUX (Wheatseaf Brand)  
BERGEMANN'S SHAVING SOAP  
BULLY'S TOILET VINEGAR  
CHAPLIN'S TOILET VINEGAR & BATH POWDERS  
DORIN'S ROUGES, BLANCS, and all other preparations  
FELIX'S EAU DES FEES  
IMPERIAL HAIR REGENERATOR  
LEICHNER'S GREASE PAINTS, & all other preparations  
LOZE'S FILTER PAPER  
MARIE ANTOINETTE EGG JULEP POWDER

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PINAUD'S PERFUMERY, and all other preparations  
PRAY'S (Dr. J. PARKER) MANICURE GOODS  
ROBARE'S AUREOLINE  
ROBERT FRERES' PERFUMERY  
ROYAL WINDSOR HAIR RESTORER  
SCHWARZLOSE'S HAIR DYE | SKINHEAL  
VOOGD'S RAZORS, SCISSORS, and all other article



FIG. 1.

FIG. 2.

# BUY THE BEST OIL PUMP

AND SAVE  
OIL, TIME, MONEY.  
THOUSANDS IN USE.

This is a representation of our "WILCOX" NEW SEMI-ROTARY PATENT PUMP, with Improved Taper Barrel Attachment. It is easy to work and simple in construction, and is admitted to be the best article in the market for Pumping Paraffin Oil and all kinds of Liquid from barrels or tanks into other receptacles.

We hold a Large Stock, and can give Prompt Delivery.

Write for full particulars and prices of The "Willcox New Semi-Rotary" Patent Oil Pumps to

## W. H. WILLCOX & CO.

34 & 36 Southwark Street,

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# BOWDLEAR'S FLOOR WAX

Testimonials from the most prominent teachers in the United States.



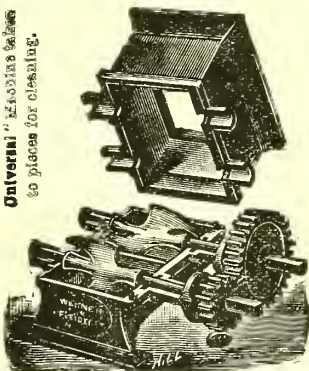
BOWDLEAR'S  
FLOOR WAX.

Pulverised. For Dancing Floors. Is not white. Will not ball on the feet. Will not soil clothes. All ready. Anybody can apply it. The floor must be clean and free from oil. Sprinkle, and the dancers will do the rest. Put up in pound packages, in cases of 36 pounds. One pound is sufficient for a floor space of 10,000 square feet, and if not wasted will be found to go four times as far as anything else on the market. No dust is another feature in its favour.

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W. H. BOWDLEAR & CO., 149 Pearl St., Boston, Mass., U.S.A.

Universal "Kneading Machine" to pieces for cleaning.



Size 3, Type I., for 1-lb. Mass.

## THE "UNIVERSAL" Kneading & Mixing Machine,

Used by all the largest Pill Makers.

SUITABLE ALSO FOR

QINTMENTS, POWDERS,  
AND MASSES  
of any  
Consistency.

# PILL MASSING MACHINES.

PILL  
PIPERS

CUTTERS,

ROUNDERS, COATERS

"SPIRAL BRUSH"

POWDER-SIFTERS

(WITH INTERCHANGEABLE SIEVES).

And every Accessory for the Pill Room

WERNER, PFLEIDERER & PERKINS (LIMITED),

Head Offices & Showrooms—117 Queen Victoria St., E.C.

Works—43 Regent Square, Gray's Inn Road, W.C.

Contractors to the War Offices of all the Great Powers and other Governments

They stand alone in their might.

## The "GIANT" Remedy, BOX'S PILLS

Re-christened by the Americans

"THE GREAT ENGLISH REMEDY,"

Grapple with and triumph over disease with perfect ease.

Price 1/1, 2/9, 4/6, 11/-, and £1 1s. per box.

Prepared by

W. H. BOX, 161 KING ST., PLYMOUTH.

50

## X RAYS PILLS.

An excellent Remedy for Biliousness and  
all Liver and Kidney Complaints.

A GOOD PILL AND PROTECTED PROFIT.

|            |    |                       |                 |
|------------|----|-----------------------|-----------------|
| 1 1/2 Size | .. | Wholesale Price,      | 9/- per dozen.  |
| 2/9        | .. | Minimum Retail Price, | 1/- per bottle. |
| "          | .. | Wholesale Price,      | 24/- per dozen. |
| "          | .. | Minimum Retail Price, | 2 6 per bottle. |

PREPARED ONLY BY THE

RAY'S MEDICINE CO., North Parade & BRADFORD.

Handbills supplied free, with Name and Address, on receipt of  
Business Card direct to above address.

AGENTS WANTED EVERYWHERE.

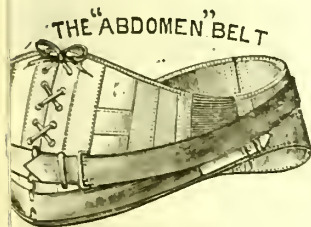


**A GOOD PROFIT!**

ALL RETAILERS SHOULD STOCK

**GOLDEN NUGGET OINTMENT****For PILES.**

1 1/2 sizes, Wholesale Price 9/6 per doz.

**WILTON & CO., LTD.,**  
17 Withy Grove, MANCHESTER.**VINCENT WOOD,**

Manufacturer  
on the Premises of  
**SURGICAL ELASTIC  
HOSIERY  
TRUSSES**  
of every description,  
Abdominal and Riding Belts,  
Suspensory Bandages,  
Chest Expanding Braces  
and Surgical Appliances  
generally.

Telephone No. Hop 4532.  
Telegram:—"Acme London."  
ESTABLISHED 60 YEARS.

**SPECIAL FEATURE - SPECIAL ORDERS BY RETURN.**

NEW SAMPLES ON VIEW AT

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Steam Factories—Nottingham and Carlton.

**ABSOLUTELY  
RELIABLE.****TRADE PRICE  
MODERATE.****SALE UPWARDS  
OF 4,000,000.****A. LAMBERT & CO.'S  
SOLUBLE****QUININE TABLETS.**

A soluble Quinine Peasary of proved absolute  
reliability. Upwards of 4,000,000 have been  
sold without a complaint of failure.

We have a list of Special Articles for Chemists  
which command a ready sale at large profits.  
A Copy on application post free.

**A. LAMBERT & CO.**

*Surgical Instrument and  
Appliance Makers,*

**16 DALSTON LANE, LONDON, N.E.****DR. MARTIN'S PURE RUBBER BANDAGES.**

Trade Mark.

For  
Varicose  
Veins, Ulcers,  
Eczema of the  
Leg, Swollen  
and Weak  
Joints.



CAUTION.—Please  
order Genuine  
Martin's Bandages,  
each being  
stamped with Dr.  
Martin's signa-  
ture. All others  
are Spurious  
Imitations.

Complete Price List,  
Trade Discount, and  
Dr. Martin's  
Pamphlet post free.

| No. | PRICES.                                       | Feet   | Inches | Each |
|-----|-----------------------------------------------|--------|--------|------|
| 3A. | Thin, for ankle, elbow, wrist, and forearm .. | 6      | 2 1/2  | 3/6  |
| 3.  | Thick ..                                      | 8      | 2 1/2  | 4/-  |
| 1B. | Thin, for "leg below" knee ..                 | 10 1/2 | 3      | 5/8  |
| 1A. | Thick ..                                      | 10 1/2 | 3      | 7/8  |
| 8.  | Thin, for leg and knee ..                     | 14     | 3      | 7/6  |
| 7.  | Thick ..                                      | 14     | 3      | 9/8  |
| 9B. | Thin, for leg and thigh ..                    | 21     | 3      | 10/6 |
| A.  | Thick ..                                      | 21     | 3      | 13/8 |

Sole Agents—**KROHNE & SESEMANN, SURGICAL INSTRUMENT MAKERS**  
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**WILLIAM TOOGOOD.****TOOGOOD'S IMPROVED PATENT****ARTHENWARE COVERED POTS**

Are claimed to be the most Perfect and Convenient yet offered to the Trade.

ORDINARY THICKNESS—

1 dr. 2 dr. 1/2 3/4 1 1 1/2 2 3 4 6 8 ounces.  
1/6 1/6 1/6 1/8 1/10 2/- 2/3 2/10 3/6 4/6 5/6 per doz.

TIN FOR DISPENSING—

1/2 3/4 1 1 1/2 2 3 4 6 8 ounces.  
1/7 1/9 2/- 2/2 2/5 3/- 4/- 5/- 6/- per doz.

**STAINER'S CHLORIDE OF AMMONIUM INHALING PIPE.**

REGISTERED No. 250397.

The Cheapest and most Portable in the Market. **27/- dozen.****REID'S INFANTS' FOOD WARMER.**

PATENT No. 25268.

A thoroughly practical Apparatus. **6/- each.****BURLINGTON BUILDINGS, Heddon St., Regent St., LONDON, W.**



# R. H. BARRETT'S PATENT CAPPED BOTTLE

The only **REALLY PERFECT** Bottle for Vaseline, Pomades, Dry Powders, &c.

## PRICES. Tall Series:—

Fitted with **STRONG METAL CAPS, CORK-LINED**; in Various Colours, very attractive in appearance:

1 oz. 11/-; 1½ oz. 11/6; 2 oz. 12/-; 3 oz. 15/-; 4 oz. 16/6 per gross, &c.  
Special Prices on application for Quantities.

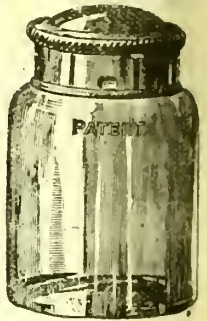
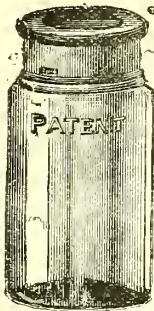
**CHEMISTS' AND PERFUMERS' BOTTLES IN GREAT VARIETY, PLAIN OR STOPPERED.**

## R. H. BARRETT,

FLINT GLASS BOTTLE WORKS.

THE OVAL, CAMBRIDGE HEATH, LONDON, E.

Telegraphic Address—"FOREFRONT LONDON."



# THE "STIPENDUM" STOPPER CO., LIM.

47 LAMB'S CONDUIT ST., LONDON, W.C.

MANUFACTURE THE FOLLOWING SPECIALITIES—

"STIPENDUM" CORK STOPPERS, in all sizes.

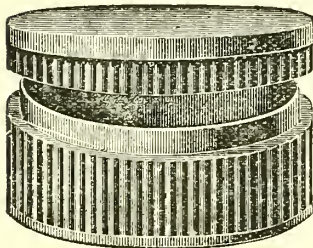
"STIPENDUM" CORK-LINED CAPS, for Pomade Bottles.

"STIPENDUM" OPENERS, for Stoppered Aerated-water Bottles

## "STIPENDUM" GREASE-PROOF COVERED POTS,

IN TERRA COTTA, CHOCOLATE, AND BLACK.

The Grease-Proof Covered Pots have perfectly-fitting lids, are practically unbreakable, and the only articles really answering the purpose intended. To be had of all Druggists' Sundriesmen. Wholesale only of the Company.



## DISPENSING BOTTLES.

THE NORTH LONDON GLASS BOTTLE COMPANY

(I. ISAACS & CO., Proprietors)

Beg to inform the Trade that they have made a further reduction in the price of their Bottles, as follows:—

The NEW SHAPE FLAT BOTTLES, with rounded edges, plain or graduated—

|                             |                                |
|-----------------------------|--------------------------------|
| 3 & 4 oz. .. 7/6 per gross. | 10 & 12 oz. .. 12/- per gross. |
| 6, 8, .. 8/6 ..             | 16 .. 16/- ..                  |

WHITE MOULDED PHIALS, plain or graduated Teaspoons—

|                         |                          |
|-------------------------|--------------------------|
| ½ oz. .. 3/6 per gross. | 1½ oz. .. 4/6 per gross. |
| .. 3/9 ..               | 2 .. 5/- ..              |

## PLEASE NOTE.

Six gross and upwards, assorted or otherwise, are carriage paid to any address in England; smaller quantities not carriage paid.

I. ISAACS & CO., Glass Bottle Manufacturers,  
106 MIDLAND ROAD, ST. PANCRAS, LONDON.

Established 50 years.

Bankers—London and Westminster Bank.

## GARDNER'S PATENT

## "RAPID" SIFTERS & MIXERS

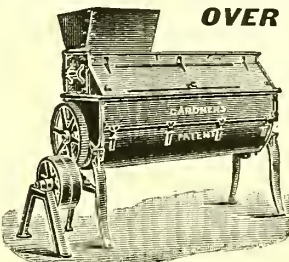
OVER 750 are now working in Almost Every Trade where DRY POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation.

FOR HAND OR POWER.

From 50s. to £90.

CATALOGUES FREE.

WM. GARDNER & SONS, Engineers, GLOUCESTER.



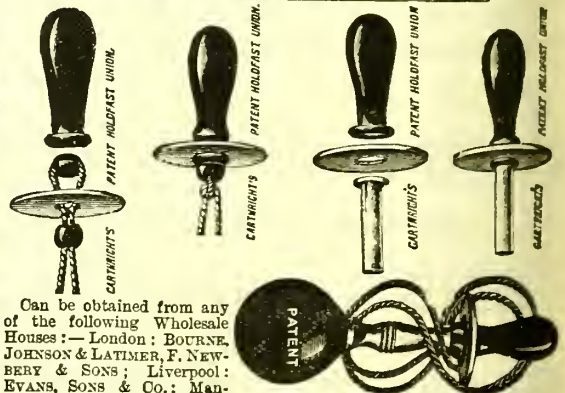
## A. S. CARTWRIGHT,

Patentee and Manufacturer of all kinds of

PACIFIERS FOR CHILDREN WHEN TEETHING,

FOOD REGULATORS, BOTTLE UNIONS, &c.

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Can be obtained from any of the following Wholesale Houses:— London: BOURNE, JOHNSON & LATIMER, F. NEWBERRY & SONS; Liverpool: EVANS, SONS & Co.; Manchester: J. WOOLLEY, SON & Co.; Birmingham: SOUTHALL BROS. & BARCLAY; Sydney: ELLIOTT BROTHERS (LIMITED); Melbourne: FELTON, GRIMWADE & Co.

HOCKLEY PACIFIER  
BALL, WHISTLE & TEAT



# GLASS BOTTLES

FOR



## DISPENSING.

FLAT (SQUARE & ROUND EDGES), OVAL, DIRECT SQUARE,  
OCTAGON, AND ROUND.  
BEST AND ORDINARY QUALITY.  
ALL SIZES AND GRADUATIONS.

## FEEDING.

IN WHITE AND GREEN GLASS, WITH GLASS SCREW AND  
OTHER STOPPERS, AND WHITE, BLACK, OR BROWN  
RUBBER FITTINGS.

Buyers' Name put on Bottles free for certain quantities.



## AERATED

CODD'S AND OTHER  
STOPPERED BOTTLES.

ALL SIZES.

EXCELLENT QUALITY.



## WATERS.

CORK BOTTLES IN ALL  
SHAPES  
AND SIZES.

PRICES MODERATE.

Revised Price List (Illustrated), containing full particulars of above and many other  
kinds, sent on application to

# KILNER BROTHERS,

No. 3 GREAT NORTHERN GOODS STATION, KING'S CROSS, LONDON, N.

# DRUGGISTS' SUNDRIES.

**WE** do not claim to be able to supply *everything* in this line better than everyone else, so we limit our catalogue to those articles (and they are a good number) in which we can offer **exceptional value** and advantages.

## THROAT BRUSHES (on Cedar Sticks).

Straight or Bent ... .. 10/- gross net.  
                                     Good Camel Hair.  
 Do., superfine quality ... .. 15/- "  
                                     The Finest Procurable.  
 All sizes on Quills also; the smallest (No. 1001)  
                                     at 1/- gross net.

## OUR "EMPIRE" ENEMA SYRINGE,

At 16/- doz. plain, or 17/- doz. polished (net invoice), is really wonderful value. Will not get hard or sticky. Guaranteed for two years (all Rubber Goods the same).

## VULCANITE COMBS (in Great Variety).

TWO OF OUR BEST LINES:

The I.X.L., stout 7-inch Dressing, 4/- doz. net.  
 The TRAVELLERS' COMB, with guard for pocket, 6½-inch, 8/6 doz. net.

## BATHING CAPS (Assorted Colours).

Good 6½d. or 7½d. line ... .. 4/- doz. net.  
 The "SPECIAL," a first-class article (check sheeting) ... .. 7/6 "  
**SPONGE BAGS** in latest styles, best qualities, and lowest prices.

Other first-class lines in **CATHETERS, SYRINGES, AIR CUSHIONS, EYE SHADES, HOT WATER BOTTLES, &c.**

*Write for Illustrated Catalogue; it cannot fail to interest you.*

**BURGE, WARREN & RIDGLEY, 91 & 92 Great Saffron Hill, LONDON, E.C.**

## SURGICAL LINTS, BANDAGES,

BLEACHED, GREY AND ABSORBENT COTTONS.

**SURGEONS' TOW.**

**PROTECTIVE LINT**

TELEGRAMS

"LINT LIVERPOOL."



WORKS:

MARK ST. MILLS, LIVERPOOL.

**THE LIVERPOOL LINT CO.**

## ANTISEPTIC

Every package bears this Trade Mark

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TRADE MARK.

BRAND.

## DRESSINGS.

in white letters on a red ground.

Please specify **MILNE'S** on orders not sent direct, to ensure getting Lord Lister's authorised preparations.

## ABSORBENT WOOL.

## GAUZE.

## LINT.

**OILED SILK. SURGICAL SPONGES. SHEETINGS. JACONETS. LIGATURES**

*Enquiries from Chemists desirous of supplying local Institutions promptly attended to.*

**JOHN MILNE, Antiseptic Dressings Factory, LADYWELL, LONDON, S.E.**



# "THE LEICESTER"

## POROUS PLASTERS

### IN RUBBER COMBINATION.

7½ by 5 Inches. In Boxes of 2 dozen.

|                                           |     |           |     |
|-------------------------------------------|-----|-----------|-----|
| BELLADONNA, on Scarlet Felt               | ... | per dozen | 4/- |
| BELLADONNA, on Cotton Cloth               | ... | "         | 3/6 |
| BELLADONNA with CAPSICUM, on Cotton Cloth | ... | "         | 3/6 |
| BELLADONNA with OPIUM                     | ... | "         | 3/6 |
| BELLADONNA, on Red Canton Flannel         | ... | "         | 2/6 |
| BELLADONNA, on Cotton Cloth               | ... | "         | 2/- |
| CAPSICUM                                  | ... | "         | 2/- |
| STRENGTHENING                             | ... | "         | 2/- |
| STRENGTHENING, on Red Canton Flannel      | ... | "         | 2/- |
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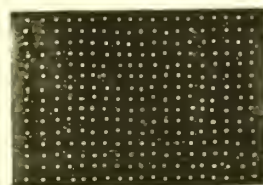
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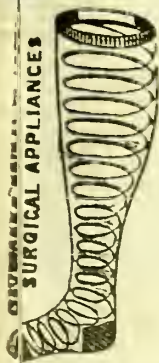
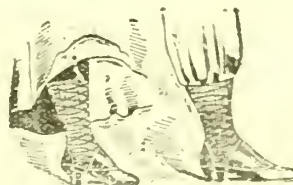
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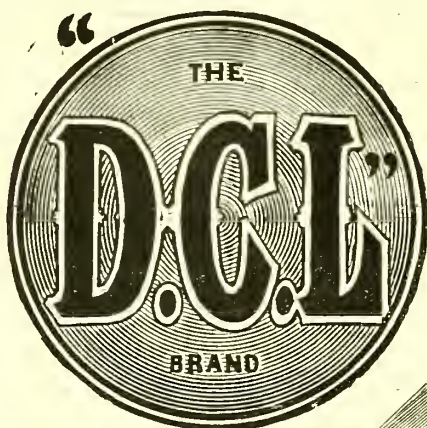
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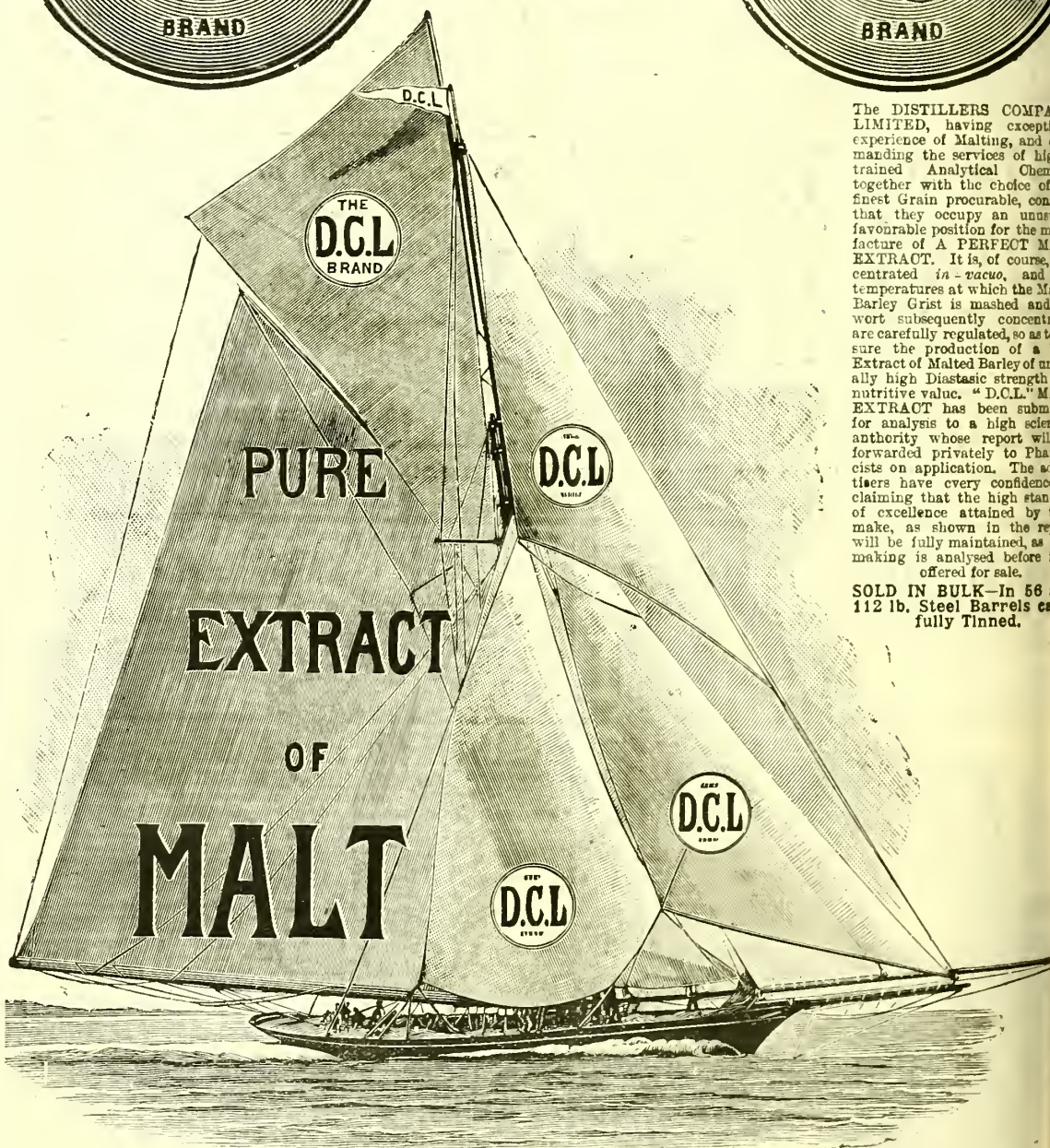
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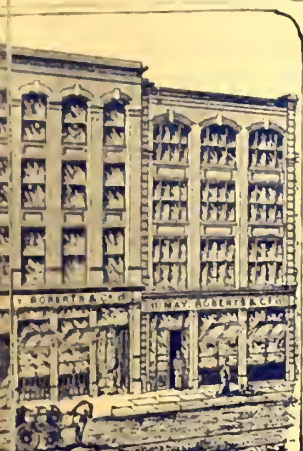
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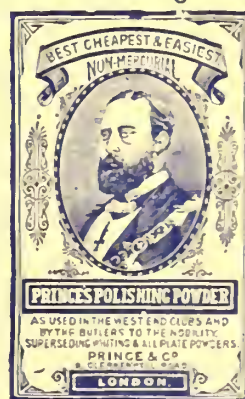
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